JEFFREY SEBASTIAN

Interaction Design Engineer

+886-979-018-595
jkings16@gmail.com
/jeffrey.sebastian
Yuan ze University

COVER LETTER

DATE:
Taiwan | 2019

TO:
Whom it may concern

FROM:
Jeffrey Sebastian
Interaction Designer

Dear Hiring Committee:

I present to you my resume with relevant information and proper links to my online portfolio. Adjunct to this letter and resumen, I also include my latest report on the teaching platform I've created called „Learning with Bear" which focuses to teach hardskills through dynamic teaching, allowing students to learn through a hands on experience. My work experience has allow me to collaborate with companies such as Foxconn, Pepsi, Carrefour, Subaru and more, working on different media production projects for printed media, social platforms and television for world distribution. In recent time I received the opportunity to become an adjunct professor for Yuan Ze University, place in which I've been teaching Computer programming, Computer graphic Design and Design Thinking and problem solving for Leadership for the English Bachelors of Strategic Communication Department and the Bachelor Leadership program respectively.

Both my academic and professional focus are based on a single principle, be the best that I can be and do the best that I can do, regardless of the challenge or task ahead. My compromise is to bring excellence to any place I go. I thank you in advance for taking the time to read this resume package, and hope to hear from you very soon.

Best Regards

Jeffrey Sebastian MSc

Adjunct Professor | Yuan Ze University

Engineer PhD student | Yuan Ze University

Visual developer and Art Director, Multimedia producer | GeronTechnology Research Center, Yzu

Editorial assistant Gerontechnology | International Society for Gerontechnology

IT officer | International Society for Gerontechnology

Multimedia Designer, Photography director | Jeƒ®e¥ §eß@s†i an ™ Multimedia production studios

Jeffrey Sebastian

JEFFREY SEBASTIAN

Interaction Design Engineer

www.bearlikeme.com

+886-979-018-595
jkings16@gmail.com
/jeffrey.sebastian
Yuan ze University

JOB EXPERIENCE

ADJUNCT PROFESSOR
YUAN ZE UNIVERSITY
2018 - Present

IT OFFICER / EDITORIAL ASSISTANT
INTERNATIONAL SOCIETY FOR GERONTECHNOLOGY
2014 - Present

VISUAL DEVELOPER / ART DIRECTOR
GERONTECHNOLOGY RESEARCH CENTER
2012 - Present

R&D ENGINEER / DESIGNER
GERONTECHNOLOGY RESEARCH CENTER
2012 - Present

TECHNICAL ASSISTANCE FOR CUSTOMER SERVICE
TRACFONE WIRELESS
2005 - 2005

EDUCATION

MECHANICAL ENGINEERING PHD
YUAN ZE UNIVERSITY
2015 - 2018 (graduation pending)

MECHANICAL ENGINEERING MSC
YUAN ZE UNIVERSITY
2013 - 2014

INFORMATION COMMUNICATION BACHELOR | MULTIMEDIA DESIGNER
YUAN ZE UNIVERSITY
2007 - 2011

REFERENCES

JYH-YANG WU
President | Yuan Ze University
+886 (3) 4638800 ext. 2203

KAZUAKI NAKAZAWA
Director IPHSSB Yuan Ze University
03-4638800 * 2737

ANNIE WU
Administrative Staff
Yuan Ze University
03-4555211

HARD SKILLS

Advance knowledge of all Adobe Design Packages, Microsoft office packages, Maxon C4d, Unity 3D. Fluidity in various operational systems, Windows, MacOsX, Linux, Android, iOS, Arduino environment and Raspbian environment for Raspberry Pi. 2D and 3D design and animation, Music production , advance photography and videography direction. Interaction development and interior design for smart homes. Virtual reality development for different systems including HTC Vive, Oculus Rift and 3Glasses, content development for Google and 360 environments.

SOFT SKILLS

Stage training, vocal training for studio recording, musical training for composition and performance, interactive teaching, medical training for first response and first aid, Medical psychology for patient treatment, 3D design for 3D printing, Prototyping, marketing and advertisement, interior desing, fashion design, Academic writting.

LANGUAGES

English: Native | Spanish: Native | Chinese Mandarin: Fluent | Italian: Beginner | Portuguese: Beginner | Java | C# | Bash Command | Python | HTML | Action Script

ACHIEVEMENTS

Awarded Psychology Collaboration Certification | University of San Carlos of Guatemala
Honorary Member of the Phi Tau Phi Scholastic Honor Society | Taiwan
Patent on Robotics: Patent No. I599215 | Taiwan 2017

OTHERS

Special appearances on Television shows such as:
大學生了沒, Diamond club, 愛玩客, K歌大明星
Google street photography license with over 1 million views and counting
Featured in various news papers and online articles, as shown in reference sheet

JOURNAL PAPERS

Focused on the area of robotics a total of 7 publications have been done and a thesis, as shown in the reference sheet.

LIFE PHILOSOPHY

"No matter how successful u are or how high you climb, nothing is worth achieving if u havent learn to help others"

MY BEST SKILLS HERE

INTERACTION	●●●●●●●●●●●●●●●●●●●●●●○○○
ANIMATION	●●●●●●●●●●●●●●●●●●●●●●○○○
3D DEVELOPMENT	●●●●●●●●●●●●●●●●●●●●●○○○○
CODING	●●●●●●●●●●●●●○○○○○○○○○○○○
COMMUNICATION	●●●●●●●●●●●●●●●●●●●●●●●○○
VISUAL DEVELOPMENT	●●●●●●●●●●●●●●●●●●●●●●●●○
WEB DESIGN	●●●●●●●●●●●●●●●○○○○○○○○○○
RESEARCH	●●●●●●●●●●●●●●●○○○○○○○○○○
PUBLIC SPEACH	●●●●●●●●●●●●●●●●●●●●●●●●○
CREATIVE THINKING	●●●●●●●●●●●●●●●●●●●●●●●●●●

Find my online portfolio over here!

www.bearlikeme.com

REFERENCE SHEET OF ACADEMIC PUBLICATIONS

Sebastian, J., Lu, J. M., & Hsu, Y. L. Robotic concept design for dementia care. In 2013 International Conference on Advanced Robotics and Intelligent Systems.

Sebastian, J., Ru, L. C., Li-Sheng, H., & Hsu, Y. L. Implementation of robotic features to everyday objects for interaction with older adults.

Sebastian, J., Tai, C. Y., Lindholm, K., & Hsu, Y. L. (2015, August). Development of caricature robots for interaction with older adults. In International Conference on Human Aspects of IT for the Aged Population (pp. 324-332). Springer, Cham.Sebastian,

J., Hsu, Y. L., & Lu, J. M. (2014). Creation of a 'Caricature Robot'for social inclusion of older adults. Gerontechnology, 13(2), 278.

Thesis: "CREATION OF A CARICATURE ROBOT, A MULTIMEDIA APPROACH FOR ROBOTS AT HOME." PhD diss., 元智大學, 2014.

Chen, Y. S., J. A. Wang, K. W. Chang, Y. J. Lin, M. C. Hsieh, Y. S. Lin, J. Sebastian, C. H. Chang, and Y. L. Hsu. "Telepresence robot–care delivery in different forms." *Gerontechnology* 11, no. 2 (2012): 366.

Sebastian, J., Colindres, Y. Y., & Hsu, Y. L. (2015). Design of an alert system as a lighting device for homes. *福祉科技與服務管理學刊*, *3*(3), 365-366.

Key Information from Bear's GRC/ISG career:

- Enter GRC in 2012
- Created the visual Identity for GRC, including:
    - Stationary
    - Websites
    - Logo upgrade
    - Templates
- Created the visual identity for ISG 2014 conference, Taiwan, including
    - Logo
    - Website
    - Banners
    - Posters
    - Venue decorators and indicators
    - Special issue cover
    - Souvenir design (T-shirt and more)
- Branding development for different projects and products including:
    - Names
    - Slogans
    - Posters
    - Photographs
    - Promotional videos
- Visual development of products, creating user scenarios of different projects, including Heart, Wobot, iRW, Tric Mini, Hug project, CDF, Whizpad, Tois Dementia, Whizcarpet, and many more
- Created and developed the base of the Robot Ready voice controlled IOT ecosystem
- For ISG:
    - Upgraded all of the systems in the Open Journal System for the first journal
    - Migrated all systems along with the IT team to a more stable server
    - Created websites for the international society for Gerontechnology and Gerontechnology journals, making them mobile friendly, handicapped users friendly standardizing them to the international regulations for user data usage required since 2018.
    - Created automation systems along with IT team for all subscription and user management tasks, Including:
        - Journal subscription users lists management
        - Automatic user scanning system for distribution
        - Subscription tasks such as activation, renewal and ip management
        - Journal distribution record system
        - Invoicing
        - Statistical information of users
    - Created SOPs for IT, journal management, subscription management and invoicing to ensure an efficient work flow.
    - Created bridges of communication with users, agents and journal distributors in their languages to ensure costumer's satisfaction
    - Reduced the claim cases of missing journals by a 95% rate from 2018 to the date
    - Reorganized, cleaned, debug and upgraded and patched systematic and operational flaws regarding costumer relations and management and systems.

GERONTECHNOLOGY
International journal on the fundamental aspects of technology to serve the ageing society

12/7/2017

To Whom It May Concern:

I am writing this letter of reference for Mr. Jeffrey Sebastian, with whom I have had the pleasure of working since accepting the presidency of my organization in September 2016. Over the past year I have come to rely upon Mr. Sebastian for the restructuring of our organization's website, the management of the back-end processes that facilitate recruitment of new members into the organization and which ensure subscriptions to the organization are renewed in a timely manner. In all my interactions with Mr. Sebastian, he has been courteous and thorough in discharging his responsibilities to the International Society for Gerontechnology in a very timely manner.

In addition to Mr. Sebastian's technical skill, he possesses a keen aesthetic sense, which is apparent in his redesign of our organization's website (www.gerontechnology.org). It is somewhat unusual to find engineers with both a fine aesthetic sense and a solid grounding in the hard sciences. It is even more rare to uncover such an engineer having a high degree of fluency in three languages: Mandarin Chinese, English and Spanish. I will say that as a native English speaker Mr. Sebastian's command of the language is exceptionally good and has facilitated the completion of tasks spread amongst our international offices in Taiwan, Canada, and the US. I regret the prospect of the ISG losing Mr. Sebastian as his ability to work efficiently across cultures and languages made my job as President that much easier.

In conclusion I unreservedly endorse Mr. Sebastian for his skills in English and Mandarin Chinese, and his work as a Web designer and software engineer. He has been a fine employee of the ISG and I have no doubt that he would be an equally fine addition to any engineering firm lucky enough to hire him.

Sincerely,

William Kearns, PhD
President, International Society for Gerontechnology
Associate Editor, Gerontechnology
Associate Professor
Rehabilitation and Mental Health Counseling
Department of Child & Family Studies
University of South Florida
Tampa, Florida 33612

International Society for Gerontechnology
Designing technology and environment for independent living and social participation of older persons in good health, comfort and safety
www.gerontechnology.org

Date: 29nd November, 2017

Subject: Jeffrey Sebastian

To whom it may concern,

I have been professionally acquainted with Jeffrey since 2014, when he assumed the roles of webmaster for ISG and assistant to the editor-in-chief of Gerontechnology Journal. I continue to work with him regularly in both capacities.

Jeffrey has been instrumental in the upgrade of ISG's information systems and recently was mainly responsible for the design and implementation of our new web site. I have found him always willing and eager to help. He always quickly and cheerfully responds to technical support requests and is efficient in their solution. I was particularly impressed by how swiftly Jeffrey as able to implement accessibility and device-responsive features into the new website, which was launched earlier this year.

I am confident that Jeffrey will be an asset to any future employer seeking a diligent and strongly motivated staff member with high intelligence, self initiative, and pleasant demeanour.

Sincerely,

Lawrence Normie
Secretary General

FOX-TECH CO.

May 22, 2019

FOX-TECH CO.
21F., No. 33 Sec 1, Minsheng Rd.
Banqiao Dist., New Taipei City, 220 Taiwan

To whom it may concern:

I gladly present the following recommendation letter for Jeffrey Sebastian, whom I personally know since 2012 and have had the opportunity to work with in various projects along the years. His range of abilities is very wide, giving him the capacity to adapt very easily to any project in hand, he is very resourceful and he is always up to try new things. His constant curiosity for technology, research methods, design trends and keeps him relevant and updated, allowing him to predict new trends and more.

His technical knowledge in design thinking and design packages in both 2D and 3D allows him to take his design to a higher standard, not only making it visually appealing but also interactive and user-friendly. He has led many marketing campaigns, that include photography, film, printed mediums and multimedia content ready for broadcast and social platforms.

As for his character, Jeffrey is very strict and disciplined in his life, academia and professional areas, but also always present to give a hand when needed. I believe he will bring all of his passion, talent, professionalism and enthusiasm to any place he goes, reason for which, I am delighted to recommend him.

Best regards,

Yadia Colindres

Yadia Colindres
COO and Co-founder
FOX-TECH CO.
Mobile: +886-970-617071
Telephone: +886-229-500-692
Email: Yadia@fox-tech.co

元智大學 老人福祉科技研究中心
Gerontechnology Research Center, Yuan Ze University

32003 桃園市中壢區遠東路135號
135, Yuan-Tung Rd., Chung-Li, Tao-Yuan, Taiwan
TEL/FAX: +886-3-4555726 / +886-3-4357020
http://grc.yzu.edu.tw/

2019/5/21

To whom it may concern,

It is my pleasure to recommend Jeffrey Sebastian for any job application he might want to pursue.

Jeffrey has been working with me since the year 2012, as an undergraduate, master, and PhD student in the Gerontechnology Research Center (GRC), Yuan Ze University, the pioneering research center in this field in Taiwan. He participated and successfully led many projects for GRC. Jeffrey specializes in branding and visual development of products and creation of multimedia resources, talent which he used to create our visual identity. In between the many tasks he performed in GRC, Jeffrey created websites, logos, templates, stationary and more. He led the visual identity for the 9th World Conference of Gerontechnology in 2014 in Taipei. Jeffrey's enthusiasm and passion for the esthetics have also contributed greatly in the many projects and products developed in GRC.

From year 2014 he also collaborated directly with the International Society for Gerontechnology (ISG), in which he has played various roles, including IT officer, editorial assistant and subscription manager. Jeffrey upgraded the online resources for the Open Journal System for *Gerontechnology*, the official journal of the ISG, created journal websites and a more user-friendly interface of interaction for subscribers to our journal and members. Designed along the IT team, Jeffrey also added many automation features for journal and subscription management in the system. His communication skills in various languages allowed him to create a stronger relationship between ISG and subscribers.

Jeffrey is a very passionate individual, and I believe he will bring the same passion and quality of work anywhere he goes.

Sincerely yours,

Yeh-Liang Hsu, PhD

Professor, Department of Mechanical Engineering
Director, Gerontechnology Research Center, Yuan Ze University
Editor-in-Chief, Gerontechnlogy

元智大學 OFFICIAL TRANSCRIPT
YUAN ZE UNIVERSITY

STUDENT NAME : Jeffrey Sebastian Reyes Melgar(雷傑) STUDENT NO : 1038703 SEX : M
DATE OF BIRTH : 1986/7/16 DATE ENROLLED : 2014/9
COLLEGE : College of Engineering
DEPARTMENT : Department of Mechanical Engineering
DEGREE CONFERRED : (1) Ph.D. DATE: (2) ------ DATE : ------
Minor : ------

Printed Date : 2017/11/9

Subject	1st Semester CR	1st Semester PTS	2nd Semester CR	2nd Semester PTS
1: 2014/8 - 2015/6 Academic Year				
EL271 Mandarin Chinese(IV)	2	90		
EL371 Mandarin Chinese(VI)			2	75
ME503 Seminar	0	90	0	80
GI510 Human-Computer Interaction Design			3	90
GI632 Interaction Interface Design Case Study	3	90		
Total Credit	5		5	
Average Grade		90.00		84.00
Semester Rank		1/3		3/3
GPA				3.80
2: 2015/8 - 2016/6 Academic Year				
CM535 Marketing Research (*E)			3	83
GI620 Research of Visual Communication Design	3	85		
IE619 Design and Construction of Virtual Reality Systems			3	90
ME567 Introduction to Gerontechnology (*E)	3	94		
Total Credit	6		6	
Average Grade		89.50		86.50
Semester Rank		2/2		1/2
GPA				3.75
3: 2016/8 - 2017/6 Academic Year				
ME610 Innovative Product Design	3	91		
ME611 Innovative Product Development Practice			3	94
Total Credit	3		3	
Average Grade		91.00		94.00
Semester Rank		1/1		1/1
GPA				4.00

2014-2017 Total Credits 28

Average 88.61

Thesis 0.00

GPA 3.82

The End.

*E: Taught in English

Kung-Ming Chen

Registrar

Dean of Academic Affairs

Yuan Ze University

By authority of the Board of Trustees of the University
and on the recommendation of the Faculty of
the Department of Mechanical Engineering

has conferred on

JEFFREY SEBASTIAN REYES MELGAR 雷傑

the degree of

Master of Science

With all of the rights, privileges and honors appertaining to that Degree
Given under the seal of the University in Taiwan
on the June in the year Two Thousand and Fourteen

President

Dean

SN:1015022

卓越 務實 宏觀 圓融

Universidad de San Carlos de Guatemala
Facultad de Ciencias Médicas–C.U.M.
Unidad Didáctica de Psicología

LA UNIDAD DIDÁCTICA DE PSICOLOGÍA, FASE I,
OTORGA EL PRESENTE:

DIPLOMA DE RECONOCIMIENTO

A Lic. Jeffrey Sebastián Reyes Melgar

POR SU PARTICIPACIÓN EN EL TEMA **"MOTIVACIÓN Y VOLUNTAD"** EL DÍA 18 DE JULIO CICLO LECTIVO 2013.

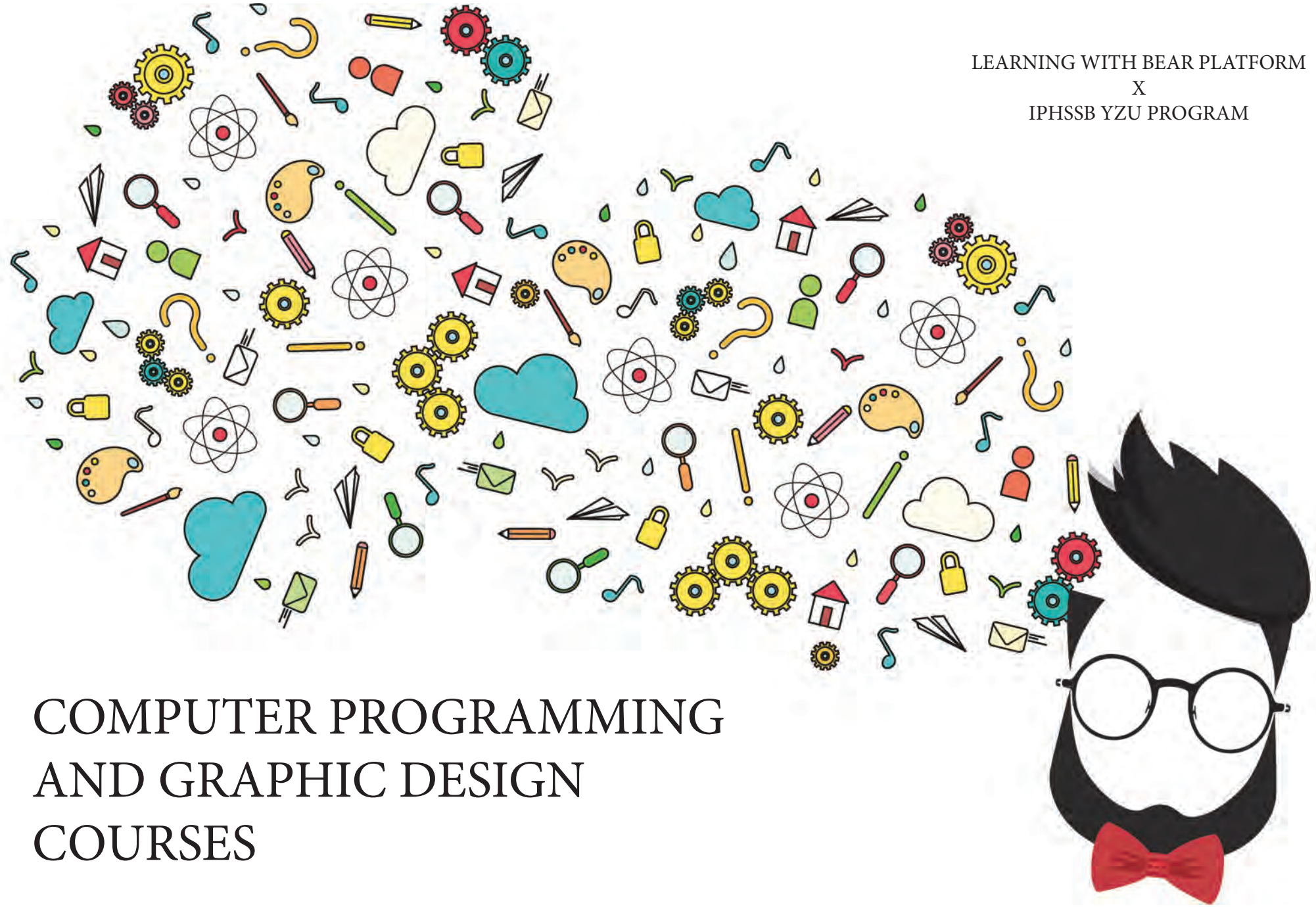
"ID Y ENSEÑAD A TODOS"

Guatemala, 18 JULIO de 20013

DR. Tulio Alberto Hernández Lu
DIRECTOR DE FASE I

Licda. Karla Aldana. De Rodríguez
COORDINADORA

LEARNING WITH BEAR PLATFORM
X
IPHSSB YZU PROGRAM



COMPUTER PROGRAMMING AND GRAPHIC DESIGN COURSES

LEARNING WITH BEAR

LEARNING PLATFORM FOR THE IPHSSB | YZU

Learning with Bear is a platform for dynamic learning, providing students with a *HANDS-ON* experience that allows them to focus on the learning process and the understanding of the different techniques and skills needed to complete tasks, solve problems and develop critical thinking. With the support of the IPHSSB in YZU, two different courses have been openned for students to have this unique experience, Computer Programming and Graphic Design. The main objective is to allow students to gain technical knowlege that will prepare them in the future professional life they choose to follow. Both Programming and Design courses are taught in special Problem Base Learning Classrooms in Yuan Ze University, allowing for a much more open space for students to interact with each other and for the lecturer to give a more personal experience for every single student present in the classroom. All students are

encouraged to express their ideas, creativity, opinions and are given the tools and knowledge to execute their projects with the most updated technological resources, including the learning of industry standard packages for design such as the Adobe creative packages, the most recent platform of development Scratch 3.0 and even the inclusion of microcontroller programming with Microbits. Learning with Bear has designed a series of challenges that go along with the lectures, pushing the students to inmediately apply everything that is taught in the courses. Whether is computer programming or design, students are given the freedom to go beyond what is taught in class, bringing their own challenges to class, having the opportunity to learn special or advance technical skills.

"LEARNING BEYOND THE BOOKS"

WHO IS BEAR?

Expert in multimedia design and with a degree in Engineering, Jeffrey Sebastian has worked with companies like Foxconn, Pepsi, Carrefour and more, creating multimedia resources for printed media and television, including video production and advertisement. Honorary member of the Phi Thau Phi scholastic society of the Republic of China, Taiwan, due to his outstanding academic performance, this Guatemalan born American shares a range of expertise in both technical and visual areas along with strong communication skills in seven different languages. Jeffrey Sebastian has been featured in many local and international news and television shows, but his most recent adventure has given him the most satisfactions, becoming a lecturer. Known as "Bear" by peers and students, Jeffrey Sebastian received the opportunity to become a professor for the IPHSSB program for Yuan Ze university. IPHSSB and Bear collaborate to create and expanded the Learning with Bear platform, which has brought a holistic way of learning for students. Using his knowledge of psychology and human behavior, and keeping a youthful heart, Bear has created a way to connect with students to guide them in a dynammic way throughout this learning adventure in their college life.

"By learning with bear I have learned to exploit basic skills that will make me offer more talents to those whom seek help of a designer. I have learned to use my whole potential and apply it on any dream or goals that I want to accomplish. His class interaction as also made me value how important it is to have a good relationship with your teacher and how listening is one of the best ways of learning"

Frances Banegas, Student | Yuan Ze University

"Learning with Bear helps more than what I could have imagined. I wonder: Who in the campus can let liberals like us love programming Not to mention DESIGN as well!"

Syndra, Student | Yuan Ze University

COMPUTER GRAPHIC DESIGN COURSE

"IS NOT ABOUT THE SOFTWARE, IS ABOUT LEARNING TO ***DESIGN***"

The computer graphic design course for the IPHSSB program of Yuan Ze university has as a main focus to teach the students how to DESIGN. While students are required to learn the technical skills to use industry standard software like the Adobe Creative Packages for design, the core of the course is to teach the student to develop design skills that go beyond the software. In contrast to other design courses available, the design course does not use software as the main mean of creation, but uses it as a tool to achieve good design. Students, through the learning with Bear platform, use their whole potential and creative skills to complete challenges based on real life applications for design, teaching them to be resourceful and to use the tools they have without creating a dependency on expensive gear or software, so they are able to create their own content freely without restrictions.

Evaluation in this class consists in a 70% of the entire grade in class activities and projects, while homework, midterm and final projects consist on 10% respectively. This releases the pressure of the students and allows them to focus on the process of creation and execution of creative ideas. Design class also teaches them to communicate visually letting them to express their ideas or their future clients' or companies' ideas for marketing and promotion. This course hopes to train students to be professional, regardless of their skill level, to properly apply design principles to any project they work on.

"We learn lots of useful skills from this class and making our ideas to work practically. That's really cool and the most important thing is that we can understand how does it work in simple way."

Mar, Student | Yuan Ze University

"I like that professor Jeffrey incorporates a lot of outdoor and social activities that makes the students aware of the outside world and therefore stimulate their ideas that they could apply to their work"

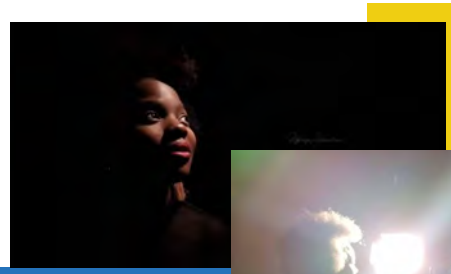
Hillary Powa, Student | Yuan Ze University

Class Contents

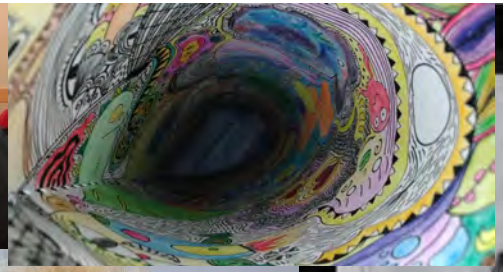
Computer Graphic Design class has been created to allow the students to have as much practice as possible. The class contents are as follow:

- Basics of composition
- Introduction to photography
- Photoshop basics
- Rules and guides for UI design
- Photo manipulation
- Photo blending
- Poster Creation
- Introduction to digital illustration
- Typography
- Logo creation
- Printing for exhibition
- Grids and composition for printed media

Students also learned to do professional photography using their cellphones, build their own softboxes and use any kind of materials to create their own designs whether handcrafted or digital.



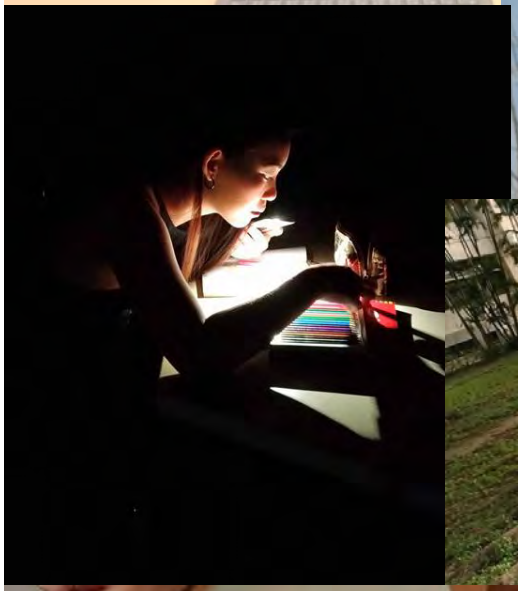
"Design is the SCIENCE of Art"



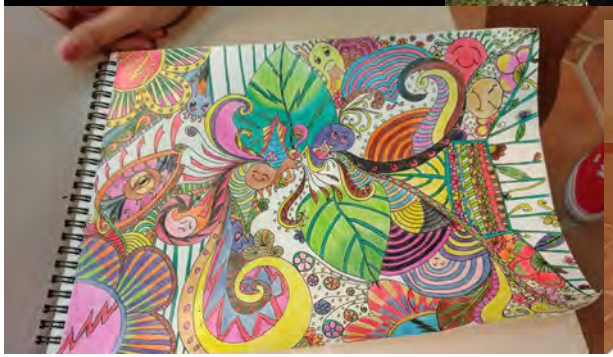
Man Barricades Against Himself

WHEN DESIGN BECOMES ATTITUDE
The eye of Horus

Trap Bae
90's NUIT



– Angie's first band



"When it comes to Photoshop or illustrator the first thing pop up in our minds will be proficiency and good computer skills, but that is not what is considered in class. I don't have to be a professional but still be skilled in these things, our teacher always uses the simplest and fun way to teach us. In our design class Jeffrey, our teacher always tells us "have fun", the truth to design is not being good or talented, it's to explore and be creative in our own way. Design is the science of art, I'm always excited to see what kind of chemical reactions will happen in our class."

Ruby, Student | Yuan Ze university

Angie Can Sing!

Our new friend from the computer science department, Angie Lee Wei Dong have earned recognition for her active performance in Design class. But did you know that she could actually SING!

Angie, a 21-year-old Malaysian, who came to Taiwan, eventually Yuan Ze University to further her studies in September 2017, LOVE singing and wouldn't mind to share her talent with others. She took part in YZU's singing competition in December 2017, and got FIRST place! She is also a lead singer of several bands and has been performing in and out of events.

Since she was in kindergarten, she started singing and went to singing classes, but stopped when she went to primary school. Still, she did not give up singing and join the school's choir, and her choir life continued till she finished her high school. It's like God didn't want her to stop singing and opened up her 'singing' world when her senior introduced her to join YZU Midi Music club, where music lovers gathered as music bands, and continue their passion in performing music.

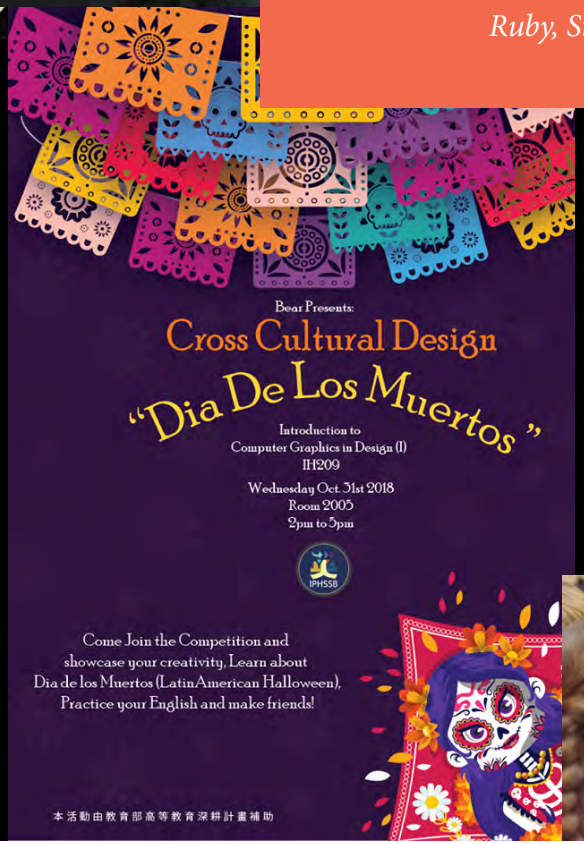
- 2017 YZU Singing Competition, "Under the Vast Sky" By Beyond.

- First Place in YZU Singing Competition

performance in 2017

Angie has a thick, powerful voice and quite a wide vocal range. She looks up to Lady Gaga and Christina Aguilera who also have powerful voices and ability to hit high notes. The music genre of jazz-pop, pop-funk, basically songs with some amount of tempo are what she into. Songs, like Feeling Good by Nina Simone and Fly me to the moon by Frank Sinatra, is her all-time favorite.

She thinks that she could sing out the 'feeling' of songs, but still need to improve her skills in details. She's now practicing songs from the movie A Star is Born, hoping that she may have the chance to perform the songs in the future



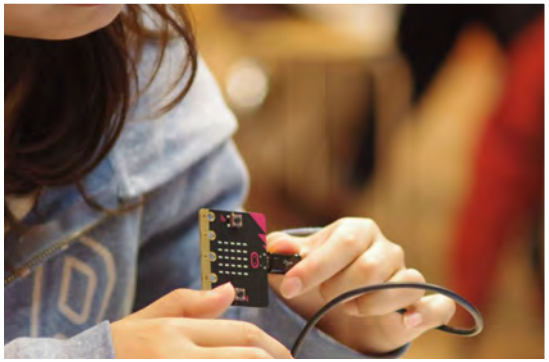
COMPUTER PROGRAMMING COURSE

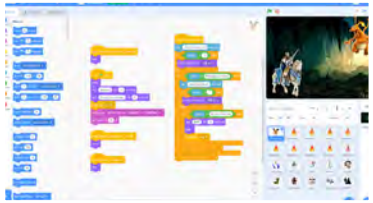
"The interesting thing I found in programming class is that our professor is so nice, like a friend to us! Moreover, in the class, instead of just like having a regular class , we tend to"play games" However, we learn a lot from it!"

Amy, Student | Yuan Ze University

While traditional programming courses are taught in a computer laboratory, this programming class is taught in a problem solving laboratory classroom. Learning with Bear changed the traditional way of teaching computer programming for a more dynamic and personal way. The course has been carefully crafted to remove the usual fear of students to programming languages, which tend to be overwhelming sometimes. The objective of the course is to allow students to learn, comprehend, develop and execute their own code lines, through a series of activities, games and challenges. The challenge in this class is to bring non-programmers to enjoy the process of creation through code, furthermore, to get the student excited to learn on their own. Learning with Bear's platform use non conventional tools that allow the student to practice and understand their code, for example coding cards made by the students to create code lines before touching a computer. As a result students are able to form an analytical way of design that allows the to create their projects in paper and write their code faster when working on the computer. Furthermore, students have develop critical thinking, which allows them to see code in a logical way, removing the fear of finding bugs in their codes, letting them debug in a much faster speed. Weekly activities, challneges and competitions are held in class that reinforces team work and merits are received when students help other teams when problems are encounter in the code. This course is divided into two main sections, the first section takes the students through all coding basics in software until they are able to generate games and applications on their own. The second section of the course guides the students through physical computing, in which they program and create their own hardware that accompanies their software skills to create physical ways of interaction

Class Contents





"I really like this class, not only because the way of teacher's teaching but also the lesson of programming! For me, this course is about imaginations and challenges, I really hope that I can do more crazy things during this class in the future!"

Thea, Student | Yuan Ze University

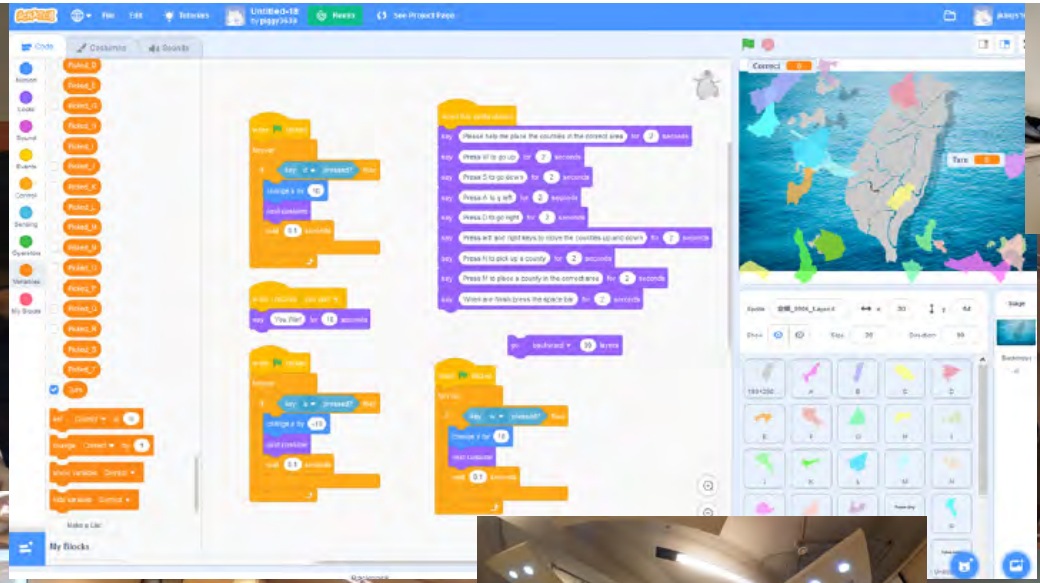
Computer programming class uses many activities to teach core skills and concepts of programming such as:

- Loops
- Variables
- Function creation
- Function calling
- Triggers
- Mathematical Logic
- Boolean functions
- Inputs and Outputs
- Instance methods
- Opeerators
- Game logic
- Conditionals
- Sprite creation
- Object animation through coding

These basic principles of advance programming methods are applied through different tools such as:

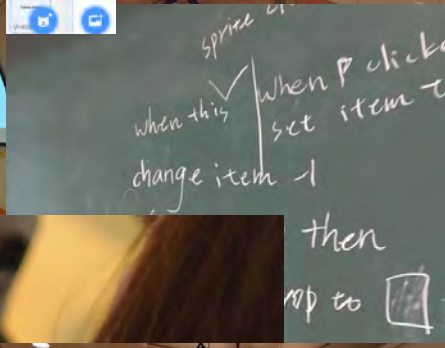
- Scratch 3.0
- Microbit development platform
- Microbit microcontrollers
- Coding block cards made by students

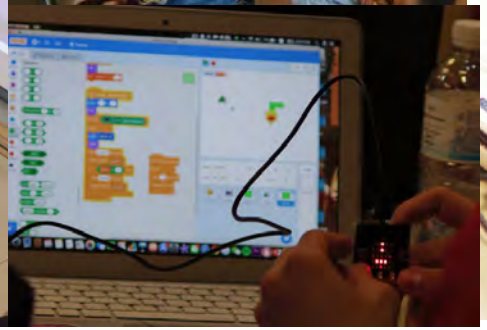
While computers are used to execute programming, students have been encouraged to also write their codes on the blackboards and whiteboards of the classroom as part of the different challenges created for the course, showing their true understanding of programming language concepts.

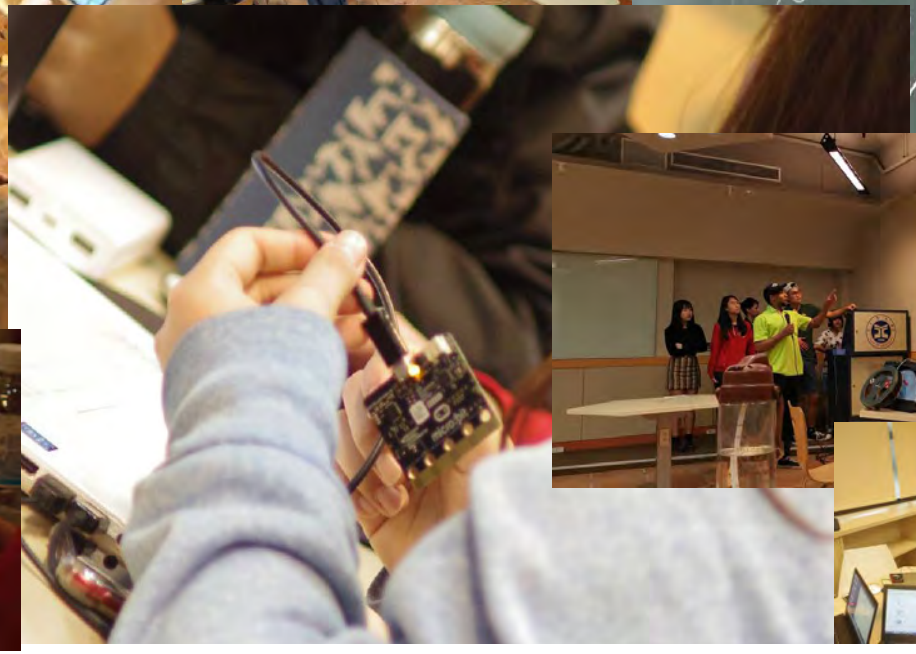


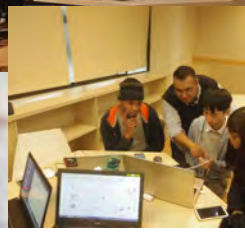
"Years ago, programming was just a reserved luxury for Engineers to learn, nowadays it is a must know tool for anyone in any field, however, it doesn't have to be hard to learn"

Jeffrey "Bear" Sebastian | Professor
Yuan Ze University









Use a simple IFTTT
If This Then That!
how about this?
NIKE

LEARNING FOR LIFE, NOT FOR A TEST

These kind of courses reinforce many principles that will help students beyond the walls of the classroom. These courses share a core list of skills that focus on helping the students to be active "Comb Shaped" professionals that will have no trouble to play any roll in any industry, students learn to:

- Work in diverse teams
- Communicate with people with other backgrounds and languages
- Help peers without expecting any retribution
- Develop problem solving skills
- Develop critical thinking skills
- Not be afraid to use their full creative potential
- Apply the knowledge obtained in class in multiple ways
- Take leadership when the situations require it
- Trust their own skills and feel proud of their achievements

Besides these skills, our courses give students the opportunity to create a social conscience, allowing them to learn that helping others is a *PRIVILEDGE*. Students created a Christmas activity for children that come from less privilege families bringing them gifts and designs they created for the children, sponsored by the students themselves and organized by the IPHSSB and Learning with Bear Platform. Furthermore we are planning to create more activities for these children in need with our students.

"Creating outstanding professionals is one of the objectives for us, however we believe in helping students become outstanding human beings to go along their degrees when they graduate."

Official Website
http://www.ih.hs.yzu.edu.tw/
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Learning with Bear Social Platform
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