KAI-NING KENG

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EDUCATION

National Taipei University   *Sept. 2014 - June 2018*
B.S. in Computer Science & Information Engineering
Program of Moblie Device Software

  · Overall GPA: 3.86 / 4.00 (Major GPA: 3.77, Last 60 GPA: 4.0)

The Hong Kong Polytechnic University   *Sept. 2017 - Jan. 2018*
Exchange Student at Department of Computing

WORK EXPERIENCE

School of Creative Media, City University of Hong Kong   *Feb. 2019 - Present*
Research Assistant   *Hong Kong*

· Developed a multi-sensory experience of virtual reality to sharpen the public's awareness on extreme weather
· Established user study programs to evaluate an innovative design - Thermal Cane, an improved white-cane grip offering thermotactile directional cues for visually impaired users

Institute of Information Science, Academia Sinica   *May 2018 - Dec. 2018*
Software Engineer   *Taipei, Taiwan*

· Explored the possibility of applying Blockchain technology to an online platform that authorizes personal medical data
· Created an online medical website of authorization with Ethereum Javascript API, web3.js

Titansoft Pte Ltd.   *July 2017 - Aug. 2017*
Software Engineer   *Taipei, Taiwan*

· Improved and added new activity registration functions to the employee online portal with full-stack web development
· Engaged in a Scrum development process for two month that benefited 130 employees via our web service

PROJECTS

Kuso Cam   *Apr. 2018 - May. 2018*
Personal Project

· Utilized the AR-kit framework to develop an iOS app that simulate makeup effects
· Aimed to apply the knowledge of computer vision to daily life and close the connection between human and technology.

Image Processor   *Mar. 2018 - Apr. 2018*
Personal Project

· Implemented algorithms of edge detection to reflect objects' outline in an image.
· Used HTML5 canvas to visualize and manipulate pixels of an image

Online Interaction Board Game - "Scotland Yard"   *Dec. 2016 - Feb. 2017*
Personal Project for A Leadership Workshop

· Designed a workshop which combined offline discussion and an online game to teach participants how to work with others in a hierarchical working environment

Embedded System Research - LoRa Logistic Service   *July 2016 - July 2017*
Group Project

· Won 1st place in the competition of senior projects (1/15) in NTPU
· Funded by college student research scholarship, Ministry of Science and Technology, Taiwan (R.O.C)
· Researched in LoRa technology to build up a full range network in the area of 60 acres on campus in order to collect data
· Designed Android user interfaces using Sketch and implemented front-end side of the Android app

AWARDS

· The First Place in Senior Project Competition at NTPU in 2016
· The Scholarship of Elytone Electronic Co., Ltd. at NTPU in 2015, 2017
· The Academic Excellence Award at NTPU in 2014, 2015, 2016

TEACHING EXPERIENCE

· The Lecturer, The 6th NTPU Computer Science Summer Camp - Image Processing with Python *July, 2018*
· The Lecturer, The 3rd NTPU Computer Science Summer Camp - Introduction of Computer Science *July, 2015*

EXTRACURRICULAR ACTIVITIES

Microsoft Student Program *Jan 2017 - Feb. 2017*
Member *Taipei, Taiwan*

· Cooperated with design, marketing, and technical fields to schedule a thousand-scale career fair in Taipei city
· Demonstrated a career aptitude interactive game using Web technology in a two-week project

The 5th NTPU Computer Science Summer Camp *Feb. 2016 - July. 2016*
Vice Coordinator *Taipei, Taiwan*

· Organized a five-day activity to introduce computer science to 60 high school students
· Arranged an online tutorial which reached seven thousand people in a live broadcast on Facebook

NTPU Computer Science & Information Engineering Student Association *June 2015 - June 2016*
President *Taipei, Taiwan*

· Coordinated at least twenty academic and extracurricular activities as the student representative of CSIE department
· Mentored about 50 new students enrolling in NTPU and helped them settle in

TECHNICAL STRENGTHS

Computer Languages	C, C++, C#, Css, HTML, Javascript, Java, Python, Swift, SQL
Multimedia	Unity, Processing, Premiere, iMovie, Photoshop, Lightroom
Tools	Microsoft offices, Keynote, Latex
Language	English (TOEFL 105), Mandarin