

KAI-NING KENG

Tel: (+886) 921 581 851 ◇ kkeng@ucsd.edu ◇ hermeskeng.github.io ◇ linkedin.com/in/kkeng

EDUCATION

University of California, San Diego

Sept 2020 - Present

Master of Science in Computer Science & Engineering

National Taipei University

Sept 2014 - June 2018

Bachelor of Science in Computer Science & Information Engineering

· Overall GPA: 3.86 / 4.00, Ranking: 4/49 (8.16%)

· **Program of Mobile Device Software**

· Related Courses: Algorithm, Data Structures, Software Engineering, Computer Network, Database System

WORK EXPERIENCE

School of Creative Media, City University of Hong Kong

Feb 2019 - Jan 2020

Software Engineer

Hong Kong

- Developed a multi-sensory software and hardware systems of virtual reality, which educated 100+ people about extreme weather at Hong Kong Maritime Museum (**Accepted by SIGGRAPH VRCAI' 19**)
- Organized a user study for 16 people to evaluate an innovative design - Thermal Cane, an improved white-cane grip for visually impaired users (**Accepted by SIGACCESS ASSETS' 20**)
- Innovated a visualized web application to analyze data and created an Android app to collect data. These methods saved 30 percent of time compared with a manual setting

Titansoft Pte Ltd.

July 2017 - Aug 2017

Software Engineering Intern

Taipei, Taiwan

- Optimized and developed 5+ functions to the employee online portal that benefited 130+ employees
- Collaborated with a versatile team on 10 people scale, including product managers and Scrum managers within agile software development

PROJECTS

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 with NodeJS based server

LoRa Logistic Service For Self-Driving Car

July 2016 - July 2017

Software Engineer

- **The First Place Team in Senior Project Competition** at NTPU in 2017 (1/15)
- Researched in LoRa technology to build up a network system in the area of 60 acres on campus to deliver data to self-driving car, gateway, and server
- Designed prototype and implemented the Android app to allow users to register the logistic service

TECHNICAL STRENGTHS

Computer Languages

Java, C#, Javascript, HTML, Css, C++, Python, Swift, SQL, C

Web/App Development Platforms

Unity, Processing, NodeJS, Android Studio, SparkAR, ASP.NET

Design/ Multimedia Tools

Sketch, Premiere, iMovie, Photoshop, Lightroom

Certificate

Google IT Support (The Bits and Bytes of Computer Networking)

LEADERSHIP & 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

NTPU Computer Science & Information Engineering Student Association

June 2015 - June 2016

President

Taipei, Taiwan

- Coordinated **20+ academic and extracurricular activities** for 200 students in a year and served as a lecturer to teach **150+** high school students about Introduction of Computer Science, Image Processing with Python