Frank Pang

Portfolio Website: fpang0502.github.io | LinkedIn: fpang-hi
fpang@usc.edu | (808) 485-7494

EDUCATION

UNIVERSITY OF SOUTHERN CALIFORNIA
Los Angeles, CA
Computer Science
May 2018
GPA: 3.82 / 4.00

SKILLS

PROGRAMMING
Languages:
C++ • Python • JavaScript • HTML • CSS
Tools/Libraries:
• Git • Arduino • ReactNative

PROJECTS

AIRIS
C++, OpenCV, Visual Studios
Collaborated with a partner to implement a C++ application that detects motion in a live video feed through image differencing. Presented to judges in the Hawaii Regional State Science Fair levels. Awarded 3rd Place in Systems Software at the State level.

HAMM
React Native, Firebase
Having to track my expenses through spreadsheets, I created Hamm to make my life easier. Hamm allows you to sign in through Firebase and log your expenses by cateogry.

RELATIVE COURSEWORK

• Intro to Computer Programming (C++)
• Intro to Embedded Systems
• Multivariable Calculus
• Linear Algebra Differential Equations
• Mobile Application Technologies

EXPERIENCE

SHIFTED ENERGY | Student Intern
June 2018 – August 2018 | Python, Pendulum
- Dealt with hourly data processing for the company's web server. Pulled JSON data from their API calls and parsed them to generate their respective export files.
- Exporting files dealt with UTC time zones and I used the Pendulum API to localize them to ensure that each device's data would be correct.

UNIVERSITY OF HAWAII AT MANOA | Student Researcher
May 2018 – August 2018 | Python, Stanford Parser
- Implementing the Stanford Parser and auto-correction APIs to parse and generate correct XML files about tsunamis, earthquakes, and volcano events for the Pacific Disaster Center.
- Used object-oriented programming to organize code based on warning types.

RONALD TUTOR CAMPUS CENTER | Associate and Consultant
October 2017 - Present | USC Directory, Virtual EMS
- Setup extracurricular event layouts for on-campus events and taught incoming workers about job resources to improve productivity and guest satisfaction.
- Improved interpersonal skills by directing on-campus guests to respective locations.

HAWAII DRONE ACADEMY | Student Intern
June 2016 - July 2016 | FPV Drone Racer, PowerPoint
- Co-led a workshop and compiled a PowerPoint for middle school students on building an FPV Drone Racer. At the end of the workshop, students were able to operate and fly their drones.

USC AUTONOMOUS UNDERWATER VEHICLE | Vision Team
January 2018 - May 2018 | Python, Tensorflow, Google Cloud
- Meets 4hrs/week; Used TensorFlow, Python 2.7, and Google Cloud Platform to train/label images for underwater object recognition.

USC MEDESIGN | Breathalyzer Team
August 2017 - May 2018 | Arduino, Printed Circuit Board
- Meets 4hrs/week; Collaborated and prototyped a working breathalyzer using a PCB, sensors, and an Arduino by engaging in discussion and implementation of the project's design and future steps.

STUDENT BODY TREASURER | McKinley High School
August 2016 - May 2017 | Leadership
- Chaired and collaborated with teachers and council members to smoothly execute homecoming events, banquets, proms, assemblies, luncheons, and galas.

CENTER FOR TOMORROW'S LEADERS | McKinley Ambassador
August 2013 - May 2017 | Leadership
- Co-led a project that assembled homeless families from shelters, landlords, and government officials to house families and discuss the Housing First initiative.
- Co-led ROOTS - program to engage young adolescents in STEM and leadership. Taught them practices of leadership and guided them in building their own customized garden bed.