SHANGWAY HSU

Cell: 408.368.9917 | shangway.hsu@gmail.com | https://www.linkedin.com/in/shangwayhsu

OBJECTIVE

A student looking for a software engineer internship.

EDUCATION

University of California, San Diego   **2018**

B.S. Computer Science   Minor: Cognitive Science   Cumulative GPA: 3.66

Coursework: Major GPA: 3.86

- Advanced Data Structures and Object-Oriented Design

- Mathematics for Algorithms and Systems

- Computer Organization and Systems Programming

- Calculus and Analytic Geometry for Science and Engineering

- Linear Algebra

SKILLS

- Java
- Python
- Unix
- Git
- HTML

Working Knowledge:
- C
- C++
- Swift/iOS/Xcode

PROJECTS

Personal Website
- *http://shangwayhsu.github.io/*
- *Implemented with BootStrap*

To-do List iOS app
- *Written in Swift/Xcode*

Replica of 2048 Puzzle
- Backend created using Java
- GUI created using JAVAFX 8

https://github.com/ShangwayHsu

EXPERIENCE

Intern
SLAC National Accelerator Laboratory   Jun 2015 – Aug 2015
(Stanford Linear Accelerator Center)
- Implemented an optimization algorithm called Particle Swarm to find an optimal configuration for SLAC's LCLS in order to form a coherent electron beam. (C++)
- Analyzed data by creating graphs, charts, and movies using the MATLAB library in python.

Swim Instructor
De Anza Cupertino Aquatics   Jun 2014 – Sep 2014
- Taught students ranging from ages 3 to 40 year olds using DACA's swimming curriculum.

Team Member
Dim Sum King   Mar 2014 – May 2011
- Serve customers Chinese take out food.
- Duties include: operating the cash register, packing food, taking orders in Chinese.