SHANGWAY HSU

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OBJECTIVE

A student interested in gaining experience as a software engineer.

EDUCATION

University of California, San Diego   **2018**

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

Coursework: Major GPA: 3.86

- Introduction to Computer Science: Java I & II

- Data Structures and Object-Oriented Design

- Math/Algorithm & System Analysis

- Computer Organization and Systems Programming

- Calculus and Analytic Geometry for Science and Engineering

- Linear Algebra

SKILLS

- Java
- Python
- Unix
- Git
- HTML
- Basic understanding of:
    - C
    - C++
    - Swift/iOS/Xcode

- Mandarin Chinese

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
- Implemented a model of Particle Swarm Optimization for simulations of SLAC's LCLS. (C++)
- Analyzed data by creating graphs and charts using a 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.

Teacher Assistant

Cupertino Kung Fu Club   Jan 2011 – May 2011
- Performed Kung-Fu demonstrations.
- Taught a small class of 4 kids.