Ryan Huang

Undergraduate in Computer Science

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Summary

Undergraduate student currently pursuing a B.S. in Computer Science with a minor in Japanese. Most major and minor coursework have been completed. Filed to graduate after Fall Quarter 2017. Has experience with several common programming languages, such as C/C++, Python, and Java. Recently, learned about front-end and back-end web development. Has been picking up Japanese over the course of the last few years and gained certain proficiency. Has visited Japan on numerous occasions. Working in Japan is a major interest.

Education

Computer Science B.S. with minor in Japanese   2015 - 2017

University of California, Davis

Undergraduate

Computer Science, General Science, Mathematics A.S.   2009 - 2015

American River College

Transfer and Degree Coursework

Experience

- **C/C++**
  - **OS Programming**
    - Implement a simple Unix shell with input/output redirection and piping
    - Implement a basic user-level thread library for multi-threading
    - Implement a FAT-based file system
- **Python**
  - Implement a simple shell and virtual file system with directory operations and save states
  - Language processing (NLTK)
- **Java**
  - **Data Structures**
- **HTML**
- **CSS**
- **Javascript**
  - **Web Design and Development of browser-based mobile applications**
    - Weather App which queries Yahoo Weather API for weather information and displays a forecast
    - Photo App - User can upload photos to a server and automatically generate tags through Google Vision API. Back-end runs on Node.js server which queries an SQL database
- **Git**
  - **Version Control with Git and GitHub**
    - *Private repositories on GitHub are available upon request*
- **Docker**
  - **Mounting and swapping docker images**
- **Windows**
  - **Main operating environment**

- **Unix**
  - **Development environment**

Other Experience

- **Pal Program (UC Davis)**
  - Volunteer language exchange with international students to facilitate better understanding of other backgrounds

Languages

English
Native

Japanese
Proficient

Chinese
Basic

Honors

Dean's Honor List   2017 - 2017
UC Davis
Winter Quarter 2017

Study Abroad - UC Davis (Kyoto Seika University)

Japanese Language & Culture (2016) - Intensive Japanese language program with field trips to a few cultural landmarks which took place in Kyoto. It was taken as four quarters of Japanese language in one quarter.

Interests

- **Technology**
  - Interested in computers and other high tech
  - PC assembly
- **Japanese language, culture, and media**
  - Interested in obtaining a deeper understanding of language and culture through media and interactions
- **Game development**
  - Interested in game design and programming.
  - Learning a game engine
  - The idea of games as an art medium
- **Food and cooking**

- Interested in trying new foods
- Observing and experimenting with recipes