Hsuan-Hau Liu

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Education

University of Southern California | Los Angeles, California — Jan. 2018 - Present
Master of Science, Computer Science (Intelligent Robotics)
Expected to Graduate in Fall 2019

Auburn University | Auburn, Alabama — Aug. 2013 – Dec. 2017
Bachelor of Science, Computer Science
Major GPA: 3.65 / 4.0, Overall GPA: 3.20 / 4.0

Technical Skills

Languages: C++, C, Java, Python, JavaScript, HTML5, CSS
Skills: Object Oriented Programming, Web Development
Tools: VIM, MS Visual Studio

Experience

Undergraduate Teaching Assistant | Auburn University — Aug. 21st – Sep. 22nd, 2017
UTA of COMP1000 Personal Computer Applications Course

Internship with DrayTek | HuKou, Hsin-Chu, Taiwan — June 1st – July 31st, 2015
Intern working in the Product Quality Control Department

- Test functionalities of the router firmware.
- Replicate known issues of the router firmware to determine the root cause.
- Provide technical support for the customers.

Honor

Auburn University Dean's List — Spring 2017 & Fall 2017

Past Projects

Machine-Improvised Music | Artificial Intelligence Final Project — Fall 2017
Developed in Python

- Our group created a system that can learn from sets of musical melodies and produce its own version of music. By giving the program some music files, the program will analyze the inputs and generate a new music file.

Online Exam Web Application | Web Development Class Term Project — Spring 2017
Written in JSP, XML, JavaScript, and CSS

- This project aimed to create an online application to administer exams. The exam administrators can set parameters of their online exams, and the test takers are able to take exams, view scores, view answers, etc.

Analysis of Algorithms | Intro. to Algorithms Class Programming Project — Spring 2017
Developed in C++

- In this project, we conducted an empirical analysis of various algorithms involving implementing, running and then analyzing the run-time data collected against theoretical predictions.

Selected Coursework

- Software Construction
- Principles of Programming Languages
- Discrete Structures
- Software Modeling and Design
- Intro. to Algorithms
- Intro. to Operating Systems
- Web Application Development
- Artificial Intelligence
- Intro. to Computer Networks
- Computer and Network Security
- Formal Languages
- Computer Organization & Assembly Lang. Programming