Tianyan (Louis) Wu

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EDUCATION

UNIVERSITY OF CALIFORNIA LOS ANGELES

BS in Computer Science
Expected Graduation: 2017
Cum GPA: 3.31

COURSEWORK

Data Structure
Algorithm Design
Software Construction Labatory
Probability Theory
Logical Design of Digital System
Computer Organization
Operating System Principles
Computer Networking
Database Systems
Language and Automata Theory
Signal and Systems
Circuit Analysis

PROGRAMMING SKILLS

C++
C
Java
Python
HTML
CSS
Javascript
PHP
Latex
Mongo DB
MySQL

OTHER SKILLS

SOFTWARE
• Github • Vim • LabView
• Verilog • Xcode • Visual Studio

HARDWARE
• Arduino • Teensy • Soldering

LANGUAGE
• English • Mandarian Chinese

EXPERIENCE

MISCHIEF VENTURED LLC | Software Engineering Intern
June 2016 - Present | Los Angeles, CA
- Worked as a founder engineer for a startup that aims to create a online talent agency for screenwriters to share their scripts
- Used Node.js and Facebook API on backend server to do user authentication
- Programed a module that allows users to upload screenwriting scripts to Amazon Web Service S3

NETWORK RESEARCH LAB AT UCLA | Undergraduate Researcher
Jan 2016 - June 2016 | Los Angeles, CA
- Conducted experiments for underwater data transmission
- Used Python to write a script that ploted the experimental result for data transmission
- Programmed a website for UCLA Watercom Testbed, which allows users to run underwater file transmission remotely

UCLA IEEE STUDENT BRANCH | General Board Member
Oct 2014 - June 2015 | Los Angeles, CA
- Coordinated with four other people to manage the club activities
- Organized All American Micromouse Competition events
- Organized networking activities for Engineering students to explore more about IEEE

PROJECTS

ORGANIZE | Android App Developer
Mar 2016 - June 2016 | Los Angeles, CA
- Built a rat sized robot that used Floodfill Algorithm to navigate a 16x16 maze
- Designed the wall detecting system by using IR sensors, gyroscope sensor and Teensy

MICROMOUSE | C++ Programmer, Design Engineer
Jan 2016 - June 2016 | Los Angeles, CA
- Built a rat sized robot that used Floodfill Algorithm to navigate a 16x16 maze
- Designed the wall detecting system by using IR sensors, gyroscope sensor and Teensy

LED MATRIX TEMPERATURE SENSOR | Design Engineer
Jan 2016 - June 2016 | Los Angeles, CA
- Designed a LED matrix that could display the temperature in an area
- Used C and Arduino to interpret the signal from temperature sensor and display the temperature