Tianyan (Louis) Wu

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EDUCATION

UNIVERSITY OF CALIFORNIA LOS ANGELES
BS in Computer Science
Expected Graduation: 2017
Cum GPA: 3.323

RELATIVE COURSEWORK

Algorithms
Software Engineering
Scalable Internet Services
Computer Networking
Database Systems

PROGRAMMING SKILLS

C++
C
Java
Python
PHP
HTML
CSS
Javascript
Node.js
React.js
Mongo DB
MySQL

OTHER SKILLS

TOOLS
• Linux/Bash • Git • Vim • Latex
• LabView • Verilog • Xcode
• Android Studio
HARDWARE
• Arduino • Teensy

PUBLICATION

WaterCom: Connecting Research Configurations with Practical Deployments
Ciaran Mc Goldrick, Enrique Sagura, Tianyan Wu, Mario Gerla
WUWNet 2016, Shanghai, October 2016

EXPERIENCE

MISCHIEF VENTURED LLC | Software Engineering Intern
June 2016 - Present | Los Angeles, CA
- Used Node.js to program many REST APIs to support file uploading and authentication with Facebook and Google accounts
- Handled the file storage using AWS S3 buckets
- Used React.js, HTML and CSS to design the front end of the website
- Used Ajax to build the scripts that connect the front-end to the back-end server

NETWORK RESEARCH LAB AT UCLA | Undergraduate Researcher
Jan 2016 - June 2016 | Los Angeles, CA
- Used HTML, bootstrap and jQuery to design a website which allows users to run underwater experiments remotely
- Used Python to write a script that plotted the experimental result for data transmission
- Used PHP to write the front-end scripts which query the MySQL database for experiment sets

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
- Developed the backend system for an Android Application that manage a todo list for users
- Used Java and Android Studio to contribute the front end design for the application

MICROMOUSE | C++ Programmer, Electrical 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 | Electrical 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