Adrian Harminto

SOFTWARE ENGINEER · DEBUGGER · NETWORK ENGINEER · IT

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Profile

- Proficient with debugging codes, managing version control, and deriving user requirements/demands
- Experience with software development practices, network protocols w/ over-the-air practices, and unix sysadmin

Skills

Programming Language	Python, Java, C/C++, JavaScript, Bash Scripting/Shell, HTML, Swift (iOS), C#
Frameworks/Tools	Terminal, Git/Github, SSH, NGINX, React, Firebase, SQL, Linux, Windows, Photoshop, LaTeX, MS Offices

Work Experience

dot11labs (WiFi performance testing labs)   *June 2018-Present*

SOFTWARE TEST ENGINEER   *Riverside*

- Program an automation of testing network performance and turntables written in Python to obtain router's throughput and RSSI
- Control multiple access points, stations, and turntables at the same time in the automation
- Control testing network performance SW with IxChariot, octoScope's stardust-UI supported iPerf3, or custom manual iPerf3
- Contribute to 99% of custom manual iPerf3 automation's development
- Develop DIY turntable using motion sensor & stepper motor controlled by Raspberry Pi 3B+ with motor HAT in Python

University of California, Riverside (International Affairs)   *July 2018-Present*

IT STUDENT ASSISTANT   *Riverside*

- Set-up, implement, and perform data migration for office visa management system using Immigration Tracker
- Create a detailed user guide with tutorials for Immigration Tracker usage
- Assist with system record clean-up, data migration of records/documents
- Program a python script that accelerates finding scholars of desired criteria automatically (from ISS website)

Projects

ExSim   *Winter 2019*

SOFTWARE DEVELOPER LEAD

- Build an Excitement Simulator application: `https://exsim.github.io`
- Develop the front-end UI with FXML and connect the UI controller to the simulator engine
- Develop the functions, fetchers, and parsers for both front-end and back-end

Huddle - Web REACT Application   *Sept 2017 - Jan 2018*

PRODUCT MANAGER/SOFTWARE DEV

- Build a software development cycle management tool: `https://huddlereflex.github.io`
- A web based application using Javascript's React, Firebase, NGINX & Droplet
- Work on user authentication (Login/Register), board's functionality, about & team pages.

Rotatable PIR Sensor   *April 2017 - June 2017*

EMBEDDED SYSTEMS

- Build an embedded system of sensor that can rotate in multi direction:
  `http://youtu.be/GwYmqF7stqE`   `https://github.com/Kuzame/RotatablePIR`
- Application of task scheduler and PWM
- Usage of devices such as servo motor, PIR, and ultrasonic sensor w/o arduino

Fan UI Manager   *September 2015 - December 2015*

SOFTWARE DEVELOPER MEMBER

- Build a UI for fan manager using JavaFX (Java library): `https://github.com/Kuzame/Team02`
- Using arduino, enable user to control the fan's speed and detect its temperature

Education

University of California, Riverside   *Expected Graduation: April 2019*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE