

Adrian Harminto

SOFTWARE ENGINEER · DEBUGGER · TEST ENGINEER

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Profile

- Solid foundation in data structures and algorithms
- Proficient with debugging codes, managing version control, and deriving user requirements/demands
- Experience with software development practices, network protocols, and unix sysadmin

Skills

Programming Language Python, Java, C/C++, JavaScript, Bash-Scripting, HTML
Frameworks/Tools Terminal, Git/Github, React, Bootstrap, Database, Linux, Windows, MS Offices

Work Experience

dot11labs (WiFi performance testing labs)

June 2018-Present

SOFTWARE TEST ENGINEER (SKILLS USED: PYTHON, WINDOWS/LINUX ENVIRONMENT)

Riverside

- Responsibilities: Program an automation of testing router performance and turntables written in Python to obtain network status
- Control multiple access points, stations, and turntables for the automation in Windows/Linux environment
- Control testing network performance SW with IxChariot, octoScope's stardust-UI supported iPerf3, or custom manual iPerf3
- Develop DIY turntable using motion sensor & stepper motor controlled by Raspberry Pi 3B+ with motor HAT in Python
- Accomplishment summary: Enables wireless testing, that normally may take up to 4 hours to be finished, be fully automated

University of California, Riverside (International Affairs)

July 2018-June 2019

IT STUDENT ASSISTANT (SKILLS USED: DATABASE, PYTHON)

Riverside

- Summary: Set-up, implement, and perform data migration for office visa management system
- Relevant experience/accomplishment: Wrote a python script that filters thousands of scholars with desired criteria in a short time

Projects

ExSim (Excitement Simulator)

Winter 2019

SOFTWARE DEVELOPER LEAD (SKILLS USED: JAVA (JAVAFX))

- Build an application to simulate an excitement based on how network is connected: <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 (SKILLS USED: JAVASCRIPT/REACT, HTML/CSS, FIREBASE, BOOTSTRAP)

- 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 (SKILLS USED: C/C++, ATMEL)

- 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 (SKILLS USED: JAVA (JAVAFX))

- 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

Graduation Date: June 17, 2019

BACHELOR OF SCIENCE IN COMPUTER SCIENCE