Scott Hamal

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EDUCATION

CARNEGIE MELLON
BS in Electrical and Computer Engineering
Class of 2019

FLINT HILL SCHOOL
Grad. May 2015 | Oakton, Virginia

LANGUAGES

MORE CONFIDENT
Java
Python 3
Python 2.7
C
JavaScript
HTML
CSS

LESS CONFIDENT
SQL
Swift
x86

OTHER TECHNOLOGIES

EXPERIENCE WITH:
Spring, Intellij, Gradle, Mockito, FlyWay
Project Lombok, Factory Duke, Swagger

INTERESTS

MUSIC PRODUCTION
FL Studio

VIDEO PRODUCTION
Adobe Premiere
Adobe After Effects

GRAPHIC DESIGN
Adobe Photoshop
Adobe Illustrator

JOB EXPERIENCE

UPMC ENTERPRISES Full Stack Software Development Intern
Summer 2018 | Pittsburgh, PA
- Worked on the Vincent team, a application for centralized control over decentralized payments.
- Created backend PDF Generation for the single transactions, group payments, and batch payments.
- Added download functionality to the Web App, including client side error handling.
- Wrote testable code following dependency injection design pattern with mocking in the front and back end.
- Worked with the team for deployment of our 1.0 release with regression testing and deployment to AWS
- Java/Spring, JavaScript/AngularJS

CARNEGIE MELLON SOFTWARE ENGINEERING INSTITUTE
Intern at Computer Emergency Response Team
Summer 2016 | https://www.cert.org/
- Worked on multiple Web Apps using HTML, CSS, and Javascript.
- Worked with virtual machines to create a hackable backend for a kinetic war time simulator.
- Worked with Bohemia Interactive's Virtual Battle Space 3.

DZYNE TECHNOLOGIES Intern
Summer 2015 | Fairfax, VA
- Built a Quadcopter with Wookong-M FCS and onboard Jetson TK1.
- Setup Jetson TK1 with onboard camera and OpenCV.

PROJECTS

RAMP: A P2P APPLICATION chat, filesharing, videochat
May 2017 | 21-765
- Created a python application for peer to peer communication.
- Connect to a peer and share files, text chat, or video chat.

PERSONAL WEBSITE | scotthamal.com
- Created a React web app to showcase projects.
- Using React JavaScript Library, HTML, CSS.

TRIALFINDER Hackathon Project at SteelHacks 2016
Won Award for Best Medical Hack given by UPMC
- Product would allow users to create profiles to better help them find clinical trials.
- Would also store user information to easier allow medical providers to better decide on where to have certain trials.
- Using Python 3 and Webscraping Library Beautiful Soup.

PYTHON POKER 15-112 Final Project
Fall 2015
- Created an object oriented version of limit poker.
- Single player with computer players around the table.
- Using Python 3 and Tkinter