Scott Hamal

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EDUCATION

CARNEGIE MELLON
BS in Electrical and Computer Engineering
Class of 2019 GPA: 3.27

FLINT HILL SCHOOL
Grad. May 2015 | Oakton, Virginia
Cumulative GPA: 3.9/4

PROGRAMMING

UNDERGRADUATE
15-112 (Python)
15-122 (C)
15-213 (C/x86)
HTML, CSS, JavaScript

HIGH SCHOOL
AP Computer Science (Java)
Independent Study (Swift)

INTERESTS

MUSIC PRODUCTION
FL Studio

VIDEO PRODUCTION
Adobe Premiere
Adobe After Effects

GRAPHIC DESIGN
Adobe Photoshop
Adobe Illustrator

COLLEGE PROGRAMS

CARNEGIE MELLON SUMMER 2014
Fundamentals of Design

JOHNS HOPKINS SUMMER 2013
Engineering Innovations

EXPERIENCE

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.

STEELHACKS 2016 UPMC Award for Best Medical Hack
February 19-21 2016 | Pittsburgh, PA
- Created software to better link patients with clinical trials.
- Using Python 3 and Webscraping.

RAMP: A P2P APPLICATION chat, filesharing, videochat
May 2017 | 21-765
- Created a python application for peer to peer communication.
- Final product included linux makefile and man page with thorough documentation.

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.

EXTRA CURRICULAR

CAPTAIN OF HIGH SCHOOL ROBOTICS TEAM | FTC Team 6652
2012-2015 | Oakton, Virginia
- Captained the Team from the first year the program started at my high school in the FIRST Tech Challenge.
- Experience managing people and allocating tasks towards one central goal months in the future, as well as communicating with the school and sponsors.
- Worked on both the building and programming of the robot (RobotC).

LEAD STUDENT TECH REPRESENTATIVE IN HIGH SCHOOL Flint Hill
2014-2015 | Oakton, Virginia
- Worked with tech department as representative for fair use as well as opinions on new programs and security.

QUADCOPTER HOBBYIST | 2012-
- Researching Designing and building Quadcopters out of an assortment of parts.
- Experimented with non-Quadcopter specific parts to push normal design.
- 3D printing the physical body of the Quadcopter and redesigning pieces based on success and failure.