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Current Address
1305 John Street
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4th year, undergraduate computer engineering student seeking a software engineering career opportunity that prioritizes impactful software development, client services, teamwork experience, and interpersonal and critical thinking skills.

EDUCATION

University of Virginia *Charlottesville, VA*
B.S. in Computer Engineering, **School of Engineering and Applied Sciences**
Minor in Technology Entrepreneurship, **McIntire School of Commerce**

August 2015-Present (Grad: May 2019)

Relevant Major Coursework: Data Structures and Program Representation, Algorithms, Programming Languages for Web Applications, Advanced Software Development, Software Development Methods, Embedded Computer Systems, Computer Networks, Computer Architecture, Operating Systems, Discrete Math, Digital Logic Design, Circuit Analysis, Electronics, Signals and Systems

PROFESSIONAL EXPERIENCE

Mission Secure, Inc. (MSi) *Charlottesville, VA*
Software Development Intern

May 2018-Present

- Tested the company application on the interface and server level by implementing Python programs which change input parameters.
- Debugged Python scripts which emulated the creation of devices and pushed the bug fixes to the company GitLab.
- Underwent training in RabbitMQ, Penetration Testing, Metasploit Framework, and Kali Linux to ensure the security of the products.
- Developed a shell in Python which was responsible for executing the scripts which emulated devices to check their functionality.
- Wrote a Python script to automate filtering through parameters to output valid data and pushed the script to the company GitLab.

iD Tech *Washington D.C.*

Computer Building and Software Development Instructor

May 2017-August 2017

- Assembled over 60 Linux based laptops using Raspberry Pi for local high school and middle school students.
- Troubleshooted laptops by re-assembling laptop components such as the Raspberry Pi, SD cards, and graphics processing units.
- Instructed students on how to navigate through the Linux Operating System and how to efficiently use the Linux Terminal.
- Taught students how to code in Python on various text editors such as IDLE, Nano, Sublime, and PyCharm.
- Debugged multiple Python programs to efficiently get the programs to compile.

RELATED EXTRACURRICULAR EXPERIENCE

theCourseForum *Charlottesville, VA*
Lead Web Developer

February 2016-Present

- Maintain a student-run website that offers course reviews and teacher ratings for UVa with over 17,000 active users (80% of UVa).
- Collaborate with team on further progress of website and what features to include to make website more user friendly.
- Code on a larger team based setting utilizing GitHub and applying Bootstrap, JavaScript, Ruby on Rails, and MySQL all on Linux.
- Work on features for the application such as the Scheduling and Major Requirements and keep application updated at all times.
- Run weekly meetings in an Agile product development atmosphere and give a development tutorial before the end of the meeting.

SKILL SET

Programming

- Fluent in Python, Java, HTML, CSS, C++, C
- Proficient in JavaScript, PHP, MySQL, x86 Assembly, Ruby on Rails, VHDL, Django

Electronics and Architecture

- Multisim, Ultiboard, LabVIEW, HDL Designer

Programming Tools

- PyCharm, Eclipse, Linux Terminal, EMACS, Nano, IDLE, Sublime, Docker, Code Composer Studio, Bootstrap, Git (GitHub/GitLab), Visual Studio, IntelliJ, Code::Blocks

Computer Programs

- Proficient in MathCAD, Mathematica, Choregraphe
- Familiar with MATLAB

Operating Systems

- Proactively use Windows and Linux (Ubuntu, Mint, Kali)
- Familiar with Mac OS X

Foreign Language

- Spanish - full professional proficiency
- Bengali - intermediate proficiency

PROJECTS

Voting System

January 2018-May 2018

- Web application that emulates the Virginia voting system which was developed using Python and the Django framework.
- Served as the role of Source Control Manager, managing all Git issues and reviewing and merging pull requests from the team.

Event Signup

May 2017-June 2017

- Web application that allows users to store information like their username and password and sign up for events.
- Developed using the programming languages of HTML, CSS, JavaScript, and PHP and the MySQL database on a LAMP model.