

Permanent Address  
23253 Morning Walk Drive  
Ashburn, VA 20148

**Ayman Mobin**  
[am8wc@virginia.edu](mailto:am8wc@virginia.edu)  
703-342-6942

Current Address  
1305 John Street  
Charlottesville, VA 22903

---

*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, School of Engineering and Applied Science** *Charlottesville, VA*  
B.S. in Computer Engineering  
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 web application which is responsible for tracking and receiving device data from the company devices.
- Debugged Python scripts which emulated the creation of devices and pushed the bug fixes on 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 some key testing components on the web application and pushed it on 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.