JOSEPH STEPHEN CANNELLA

3904 Kensington Ave,
Richmond, Virginia 23221
cannellajs2@mymail.vcu.edu
(804) 467-5333

EDUCATION

January 2018 – December 2020 Old Dominion University, Norfolk VA
Pursuing Masters in Computer Science
Current GPA: 3.6

May 2019 Cyber Security Certificate

August 2009 – May 2014 Virginia Commonwealth University, Richmond VA
Major: Mechanical Engineering w/ Concentration in Nuclear
Minor: Physics
GPA: 3.5

TECHNICAL SKILLS

- Programming Languages: AngularJS, Python, C, C++, C#, JavaScript, HTML, SQL, PHP
- Embedded Systems: AVR, PIC, ARM
- Proficiency with: Linux, git, Azure

WORK EXPERIENCE

August 2019 – Present: Software Engineer at Vectrus

- Created various frontend components in AngularJS utilizing AngularMat
- Led production of real time Spectrogram of live FFT data in JavaScript
- Produced numerous algorithms for backend utilizing Linq and Entity framework
- Development of SignalR gateway providing interface between server and client
- Experience with Docker

February 2015 – August 2019: Engineer for Department of Defense

- Granted Secret Security Clearance status
- Created application to integrate legacy aerothermal codes with commercial FEA software
- Produced 3D models and assessed survivability of components with FEA software
- Created Signal Processing software with GUI for user convenience
- Coordinated rapid design/production of on demand 3D printed parts
- Created visual-servoing algorithms in OpenCV, and drivers in C
- Developed autonomous systems utilizing Image Processing and ROS
- Responsible for electrical, software, and hardware design of gun hardened on-board recorder

August 2014 – February 2015: Web Developer at Maxx Potential

- Worked with a team to produce a corporate payment website
- Gained experience with Laravel PHP framework and MySQL
- Maintained old code base for large lending company

References Available Upon Request