NICHOLAS M. STAMPS

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Objective

To obtain an internship for summer of 2019 that will allow me to gain knowledge and experience

Education

Sophomore working on B.S. Electrical Engineering — Graduation date: May 2020

- Majoring in Space Systems
- Virginia Polytechnic Institute and State University (Virginia Tech) — Blacksburg, VA
- GPA: 3.50 (Dean's List)

Current Relevant classes: Technical Writing, Electromagnetic Fields, AC circuits, Probability and Stats

Skills

- Extensive skill with Python, Bash, Perl, C, C++, and MATLAB
- Experience analyzing and editing Controller Area Network (CAN) signals with CANalyzer
- Experience with LTSpice and Make
- Qualified and experienced with working on high voltage systems
- Highly proficient with Microsoft Word, Excel, and PowerPoint
- Efficient and effective worker

Employment

Controls Systems Engineering Intern | Orbital ATK (Northrop Grumman) | Sterling, VA — *May 2018 – present*

- Updated a proprietary program using Make to be able to install it on the newest Red Hat Linux (RHEL) distribution
- Used Perl to build a compatibility layer between the same proprietary program and LabVIEW to allow full interfacing and control of each other
- Created a Python install script that cut the program's installation time from 8-16 hours to under 5 minutes
- Created a Python deploy script that utilized the installation script to deploy the program to a theoretically limitless number of remote targets
- Currently developing a Jenkins Pipeline to combine building, testing, and deploying to allow the complete program to become a full agile program capable of being supported by a full team

Homeshop Specialist | Harris Teeter Grocery Store | Warrenton, VA — *May 2014-May 2017*

- Fulfill online orders, satisfy each customer's needs, occasionally perform the duties of cashier, and make every shopping visit a pleasant and satisfying experience
- Stand in for Customer Service when requested

Tutor and Instructor | Mathnasium | Warrenton, VA — *Dec. 2014-Aug. 2016*

- Instruct approx. 50 students of various ages, kindergarten through college, in math curriculum

Extracurricular Activities

Battery Operated Land Transportation (BOLT) Team — *November 2016 – present*

- The BOLT team designs, builds, and races a battery powered motorcycle
- Member of the Powertrain Sub-team and the Controls Sub-team
- Directly responsible for the design and build of the high voltage power supply used to power the motor
- Work with the primary drive and control software and analyze the CAN data after test runs and races

Achievements

Dean's List — *Fall 2016, Spring and Fall 2017, Spring 2018*