MITCHELL TAYLOR

seeking full-time

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education

Texas A&M University, College Station, Texas
Electrical Engineering Major, Computer Science Minor, Magna Cum Laude

December 2021
GPA: 3.872

certifications

TS / SCI Security Clearance

July 2022

CompTIA Security+

March 2022

FE Electrical and Computer

January 2021

experience

L3Harris Technologies, Greenville, Texas
Senior Associate Software Engineer (TS / SCI Clearance)

2020 – Present

Implemented New Capabilities

- Utilized C / C++ to provide new algorithm capabilities to signal processing software
- Equipped a product with ChartJS to provide more insight into internal algorithms
- Demonstrated new product features to systems engineers and customers

Improved Old Capabilities

- Updated 6 software products to run on a newer version of Red Hat (RHEL8)
- Containerized the build system of 5 products
- Enhanced the user interface of 3 websites using Javascript, HTML, and CSS
- Debugged database applications using Python, MongoDB, and SQL

Minigrip (Plastic Bag Manufacturer), Seguin, Texas
Technical Intern

2019

- Designed a circuit that would automatically turn off an extruder after a timer went off
- Researched and identified circuit parts to be installed in over 50 electrical panels
- Conducted a presentation for the branch manager

skills

Software Development

- C / C++
- Python
- Docker / Podman
- MATLAB
- Java
- Verilog

Web Experience

- Javascript
- HTML / CSS
- React
- AngularJS
- Bootstrap
- PHP

Design Tools

- Xilinx Vivado
- LabVIEW
- Cadence Virtuoso
- Altium
- LaTeX
- Unity / C#

Agile Methodology

- Git Version Control
- Subversion (SVN)
- Atlassian Jira / Confluence

Database Interaction

- MongoDB
- SQL / MySQL / SQLite

Hardware

- ZYBO Z7-10 FPGA
- ESP32 Microcontroller