Noah Robinson

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Philadelphia, PA 19104

EDUCATION

BS IN COMPUTER ENG.
Drexel University
Anticipated Graduation June 2024
Philadelphia, PA
GPA: 3.78

AREAS OF INTEREST

Software
Machine Learning
Sustainability

SKILLS

PROGRAMMING
C • C++ • Python • HTML
• Bash • Perl

OS
Windows • Linux/UNIX • MAC

SOFTWARE
MATLAB • Excel
Eclipse • Word
Git/GitLab • ClearCase
ClearQuest • Rhapsody

LANGUAGES

English (Fluent)
German (Conversational)

CLUBS & ORGS

Drexel Ski and Snowboard
Drexel Tennis Club
Drexel Weekend Warriors

HONORS & CERTS

• Elements of AI
• Dean's List, 2019 - 2021
• Fidelity Information Services (FIS) Scholarship
• A. J. Drexel Scholarship

EXPERIENCE

DSP ENGINEER | Lockheed Martin
September 2021 - March 2022 | Moorestown, NJ

- Held secret-level security clearance
- Worked on a new subsystems engineering team on upcoming advanced radar signal processing algorithms
- Prepared test procedures in accordance with requirements set out by the systems engineers
- Design, wrote, and tested Matlab scripts for narrow band testing of electronic warfare detection algorithms
- Stored collected testing results in data files and furthermore prepared plots of that data in Matlab to present to the team
- Used Matlab to load large amounts of data from Excel workbooks to fill parameters for test procedures on matlab models

SUBSYSTEMS EI&T ENGINEER | Lockheed Martin
September 2020 - March 2021 | Moorestown, NJ

- Worked in a scrum style classified subsystems development team supporting the Digital Signal Processor inside the Aegis Ballistic Missile defense system
- Became familiar with working completely in a Linux based environment
- Used ClearCase and ClearQuest to check out, edit, and deliver tactical code changes in C++ to the digital signal processor aboard Lockheed ships
- Assembled, wired, and tested server racks in a 1:1 recreation of tactical battleship arrays
- Wrote automation scripts for installation of tactical firmware on battleships in Perl and Bash

TECHNICAL PROJECTS

3D PRINTER PROJECT | Personal Hobby
May 2015 - August 2016 | Kintnersville, PA

- Built a H1.1 SeeMeCNC 3D printer from scratch with parts printed from another 3D printer
- Utilized three stepper motors with belts to move the printing bed in X, Y and Z directions with high accuracy
- Reused an old power supply to power the motors, heating elements, control board, and an LED screen I programmed to manually move and configure settings
- Corrected and troubleshot configuration code for the main movement motors, extruder motor, temperature sensors/cooling fan, and heated bed using Arduino