

NOAH MEINE

Software Engineer

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🔗 <https://github.com/nmeine>

EXPERIENCE

Software Engineering Intern

Parsons Corporation

📅 06/2020 - 08/2020 📍 Centreville, VA

Parsons Corporation provides critical solutions in the defense, intelligence, and critical infrastructure markets.

- Developed a fullstack application ready for deployment using React, Java, and MongoDB
- Designed and implemented custom algorithms for data sorting and selection using APIs
- Wrote clean, performance-oriented code to implement new features, and handle bug-fixes
- Communicated with a team of senior engineers on a daily basis, and collaborated using a git workflow, sprint/ticket management

Undergraduate Researcher

Wireless @ VT

📅 01/2019 - 08/2019 📍 Blacksburg, VA

Worked under Dr. Carl Dietrich and the Mid-Atlantic Aviation Partnership on a drone research project

- Developed software defined radio links between drones using C++, GNU Radio, and LIB UHD
- Gained experience in capturing, filtering, and processing real-time data
- Helped customize and build hexacopter drones with integrated electrical systems

SKILLS

Languages and Tools

Python	C++	Javascript (ES6)	Java	SQL	React
MATLAB	Git	Docker	Kubernetes	TensorFlow	
Data Structures & Algorithms	Linux				

EDUCATION

B.S. Computer Engineering

Virginia Tech, GPA: 3.80

📅 2018 - 2022

- Coursework in data structures, algorithms, machine learning, and computer vision
- Experience building large scale software projects

PROJECTS

Twitter User Sentiment Analysis

Machine Learning and Web Scraping Project

- The twitter user sentiment analysis project leveraged Twitter's public API to create a database of tweets from a specified search query, and used natural language processing and machine learning libraries in python to analyze user sentiment.

Network Host Detection

Custom Automation Project

- This project automatically captures DHCP packets on a network when they are transmitted to detect new host connections. Then, using Twilio's python API, the project alerts specified users to the new network connection.

Audio Direction Finder

Hardware / Software Co-Design Project

- This project integrated custom-designed hardware components with an embedded microprocessor to calculate the angle of arrival of a target audio signal.