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John M. Farina

Clearance Level: TS/SCI Full Scope Poly

Summary of Qualifications

Student at the University of North Georgia, graduating in May of 2019 with a B.S. in Computer Science and a Concentration in Information Assurance and Security. Professional Experience in the fields of Information Security, Signals Intelligence, Data Analysis, Engineering, and Information Technology. Extensive knowledge and experience in a full spectrum of tools, databases, and computer applications as well as programming experience in Python, Java, C++, C#, XML, Swift, SQL, HTML, CSS, and JavaScript.

Professional Experience

Signals Intelligence Analyst

National Security Agency – May 2018 to August 2018

Summer Intern Program for Information Assurance (SIP/IA) Participant

- Applied computer-based programs and various programming languages (Python, C++, etc.) to process data for analytical problems.
- Tracked cyber activity by looking for patterns, networking techniques, and protocols being used.
- Added, updated, or enriched information in mission-relevant databases.
- Conducted target analysis, target research, and analysis of metadata.
- Identified target communications within the global network.
- Selected, built, and developed query strategies against appropriate collection databases.

Data Analyst

Elringklinger USA – October 2017 to May 2018

- Organized and sorted through the down times of various machines while calculating a total monetary value lost during this time.
- Designed and created forms/Excel sheets that displayed and calculated the down times of numerous machines.
- Developed solutions to lower downtime rates, by identifying the variables that were affecting the rate of production and proposed possible solutions to upper management.

Engineering Specialist

Elringklinger USA – May 2016 to September 2017

- Supervised Red Books (press setup/tooling instructions) to ensure updates and changes were made, when necessary.
- Used computer aided design software (AutoCAD and Solidworks) to produce revised layouts of portions of the production floor and designed numerous mechanical parts.
- Performed multiple capability studies on parts in production, in order to test the integrity of the part in question.
- Built fixtures to increase productivity and safety.
- Worked with upper management to begin the implementation of the 5S principles and the S.M.E.D. process throughout the plant.

Race Relay Manager/IT Specialist

Toccoa Raceway – March 2015 to September 2017

- Scored weekly Saturday night races via Race Manager (scoring software), while simultaneously running a live feed of times and positions to the Race Monitor mobile application.
 - Supervised website and social media traffic/content.
 - Aided with computer and printer complications, while ensuring that all applications and hardware are up-to-date.
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Education

B.S. Computer Science, University of North Georgia – May 2019

- Concentration in Information Assurance and Security

A.S. Computer Science, University of North Georgia – May 2017

Training

Programming Languages: Java, Python, C++, C#, Swift, XML, SQL, HTML/CSS, JavaScript

Software Development Course, University of North Georgia

- Software Engineering
- Data Structures & Analysis of Algorithms
- Programming Languages
- Mobile Application Development
- Artificial Intelligence

Information Security Courses, University of North Georgia

- Computer Forensics
- Network Security
- Computer Security
- Information Security
- Management of Information Security
- Reverse Engineering

Additional Resources

- GitHub: <https://github.com/JFarina5>
- Portfolio: <https://jfarina5.github.io/>