

Tyler Shelton

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PROFESSIONAL SUMMARY

Current second semester junior majoring in Computer Science with a concentration in Cybersecurity. Ranked 31 out of 7,926 for the Individual Game in the National Cyber League CTF competition. Proactive/Independent problem solver and a fast learner. Additionally, I have 2 years of work in data analytics and worked as a Richter Scholar.

EMPLOYMENT

Data Analytics Assistant - George Fox University

May 2022-Present

In-person/Remote (Hybrid)

Highlights and responsibilities:

- Respond to business unit data needs across the campus
- Provide data and insights to various constituencies
- Increased efficiencies by automating several data tasks
- Running SQL queries for business insights
- Managing database and it's loader (with a Data Auditor)
- Developing and managing a pipeline to coalesce multiple software data platforms to determine a student's first generation status
- Developing a codebase to load company test environment Wiki from its production environment

Richter Scholar - George Fox University: Richter Grants

May-August 2023

Highlights and responsibilities:

- Developed machine learning model utilizing computer vision
- Quality control/assessment
- Accurate reporting required for hand-offs

EDUCATION

Bachelor of Science Computer Science with concentration in Cybersecurity

George Fox University

Expected Graduation 2025 (currently 90 units completed)

Notable Courses:

- Data Structures
- Algorithms
- Computer Architecture and Assembly Language

Newberg High School; graduated 2021

OTHER EDUCATION EXPERIENCE:

National Cyber League Individual Game

Completed in October 2023

Ranked 31 out of 7,926 competitors

Subject Areas:

- Cryptography
- Enumeration and Exploitation
- Forensics
- Log Analysis
- Network Traffic Analysis
- Open Source Intelligence
- Password Cracking
- Scanning and Reconnaissance
- Web Application Exploitation

IBM Data Science Certificate

Completed in August 2021

Courses Included:

- Machine Learning with Python
- Data Science Methodology
- Tools for Data Science
- Applied Data Science Capstone
- Python for Data Science, AI & Development
- Data Visualization with Python
- What is Data Science?
- Data Analysis with Python
- Databases and SQL for Data Science with Python
- Python Project for Data Science

SKILLS

- Python, SQL, Java, C++, Scala, C#, Bash, Assembly (MIPS)
- Machine Learning (Supervised and Unsupervised)
- Analytical Research Skills
- Aptitude for Learning Software
- Communication Skills
- Independent Learner
- Pentesting
- Threat Analysis
- Log Analysis
- Network Analysis
- Cryptography
- Open Source Intelligence

OTHER INVOLVEMENTS

Member of Worship Band at Northwest Christian Church

2015-Present

Camp Winema Camp Counselor

Summer 2018

EXAMPLES OF PROJECTS COMPLETED

Capstone Project for IBM Data Science Certificate

Pipeline from multiple sources to determine a student's first generation status

Developed codebase to load company test environment Wiki from its production environment

Worked in a group to develop a command line utility tool to search file for user inputted text, accepts multiple languages and parameters