RYAN BENDER

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Secret Security Clearance

SKILLS

Software: (*proficient*): Python, C#, Java, Git, SQL (*familiar*): C/C++, JavaScript, HTML/CSS, Ruby, Bash

Operating Systems: (*proficient*): Ubuntu Linux, Red hat Linux, Unix, Windows (*familiar*): MacOS X, Arch Linux

EDUCATION

Lynchburg, VA   **Liberty University**   **Aug 2018 - May 2020**

- **Major:** IT: Data and Information Security, B.S. (GPA 3.76)
- **Coursework:** Java Language, Python Language, SQL Server, Computer-Human interaction, Web Architecture and Development (HTML/CSS/JavaScript), Networks, Operating Systems
- **Activities:** ACM Competitive Programming (Python, C++), Cyber Defense Club
- **Tutoring:** C#, Python

EMPLOYMENT

System Engineer, Part-time   **ARiA (R&D firm)**   **April 2020 – Present**

ARiA (www.ariacoustics.com): Applied Research in Underwater Acoustics

- Configure and install deep-learning blade-server clusters
- Deploy and integrate services (NextCloud, RocketChat, GitLab, etc.)
- Configure and script Ansible authentication services: LDAP, POSIX Access Control Lists (ACLs)

Cyber Security/Software Developer, Intern   **ARiA (R&D firm)**   **May – August 2019**

ARiA (www.ariacoustics.com): Applied Research in Underwater Acoustics

- Worked with team to develop a program to accept, compile, and plot submarine sensor data points.
- Developed bash scripts to improve efficiency of company security audit procedures.
- Leveraged Knowledge in Git, Python language, C++, Bash scripting, VS Code, Object-Oriented programming, and Team collaboration.

SOFTWARE PROJECTS

GitHub: *github.com/ryanbender2*

AI-assisted RC Car

- Ongoing project to incorporate AI into RC car using Arduino.
- Utilized: Arduino, C++

Machine Learning Project

- Senior project for Bachelor's degree. Contracted by CB&T bank to discover reasons for client account closure.
- Lead developer for project.
- Designed and developed a dataset cleaner Python module used for preparing datasets for machine learning.
- Utilized: Python, SVM and Logistic Regression ML algorithms, Scikit-learn, Pandas

Statistical Racquetball Game Simulator

- Simulates games based on player's statistical likelihood of winning a rally.
- Utilized: C#, Python