

# 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
<ul style="list-style-type: none"><li>▪ <b>Major:</b> IT: Data and Information Security, B.S. (GPA 3.76)</li><li>▪ <b>Coursework:</b> Java Language, Python Language, SQL Server, Computer-Human interaction, Web Architecture and Development (HTML/CSS/JavaScript), Networks, Operating Systems</li><li>▪ <b>Activities:</b> ACM Competitive Programming (Python, C++), Cyber Defense Club</li><li>▪ <b>Tutoring:</b> C#, Python</li></ul>		

## EMPLOYMENT

System Engineer, Part-time	ARiA (R&D firm)	April 2020 – Present
ARiA ( <a href="http://www.ariacoustics.com">www.ariacoustics.com</a> ): Applied Research in Underwater Acoustics <ul style="list-style-type: none"><li>▪ Configure and install deep-learning blade-server clusters</li><li>▪ Deploy and integrate services (NextCloud, RocketChat, GitLab, etc.)</li><li>▪ Configure and script Ansible authentication services: LDAP, POSIX Access Control Lists (ACLs)</li></ul>		
Cyber Security/Software Developer, Intern	ARiA (R&D firm)	May – August 2019
ARiA ( <a href="http://www.ariacoustics.com">www.ariacoustics.com</a> ): Applied Research in Underwater Acoustics <ul style="list-style-type: none"><li>▪ Worked with team to develop a program to accept, compile, and plot submarine sensor data points.</li><li>▪ Developed bash scripts to improve efficiency of company security audit procedures.</li><li>▪ <u>Leveraged Knowledge</u> in Git, Python language, C++, Bash scripting, VS Code, Object-Oriented programming, and Team collaboration.</li></ul>		

## SOFTWARE PROJECTS

**GitHub:** [github.com/ryanbender2](https://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