

Brian A. Bell

bbell.semm@gmail.com | (540) 294-5407 | Blacksburg, VA

LinkedIn: www.linkedin.com/in/brianbe11 | **GitHub:** <https://github.com/brianAbell>

Website: www.brianbe11.com

EDUCATION

Virginia Polytechnic Institute and State University (Virginia Tech)

08/2021 – 05/2023

MS (Accelerated), Computer Science | GPA: 3.7

Blacksburg, VA

BS, Computer Science

- **Accomplishments:** New Horizon Graduate Scholar, Dean's List, IEEE Software Journal Submission
- **Awards:** UTC Aerospace Systems Scholars, Commonwealth Award, Jerry H. Ballengee Scholarship
- **Positions:** Graduate Research Assistant, Graduate Teaching Assistant
- **Clubs:** AI & ML Club, *Code World*, *No Blanket* Research Group, German Club Fraternity, Entrepreneurship Club

Blue Ridge Community College

08/2015 – 05/2019

AS, Computer Science | GPA: 3.6

Weyers Cave, VA

- **Accomplishments:** Alpha Pi Honor Society, Dean's List
- **Positions:** Recruiter for STEM Club
- **Clubs:** STEM Club, Adventure Club

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C

Operating Systems: Linux, Unix, Windows, Macintosh

Tools & Other: Agile, SAFe, Version Control, AWS, Bash, Visual Studio Code, IntelliJ, Eclipse

PROFESSIONAL EXPERIENCE

Raytheon Intelligence & Space (NASA)

05/2022 – 08/2022

Software Engineering Intern (Hybrid)

Greenbelt, MD

- Contributed to the NGAP (NASA-compliant General Applications) team which provided cloud infrastructure for NASA applications.
- Aided in the simplification of the build & deployment process associated with our NGAP processing through the utilization of Cloud Development Kit for Terraform (cdktf), Python, and the SAFe.

Berkley Alternative Markets

05/2021 – 08/2021

Software Development Intern (Remote)

Blacksburg, VA

- Tested & analyzed company applications using various Python specific tools such as Flask and Locust.
- Aided in the development of a front-end insurance application which resulted in 15 new enterprise customers.

PROJECTS

GPT-4 Powered Resume Analyzer - JavaScript, HTML, CSS, Flask

04/2023 – Present

- Designed and developed a web application that uses OpenAI's GPT-4 model to provide real-time, automated analysis and feedback on user resumes.

How do Software Engineers Prepare for Technical Interviews? (Co-author) – Paper

10/2022 – 01/2023

- Research for the IEEE Software publication which analyzed how individuals prepare for technical interviews.

Personal Website (brianbe11.com) – JavaScript, HTML, CSS

07/2022 – 09/2022

- Portfolio website that was designed to provide a more engaging showcase of my technical skills and experience.

Object Detection Application – JavaScript

01/2022 – 04/2022

- Application which analyzes live video feed and accurately assigns object types to visible objects within the frame.

LEADERSHIP EXPERIENCE

GERMAN Club Fraternity

08/2021 – 05/2023

Elected Officer & Leadership Chair

Blacksburg, VA

- Organized and led various events such as the annual Leadership Summit, Public Speaking & Interview Prep Seminars, and an Internship Matching Program.
- Acted as the main correspondent between the German Club Alumni Foundation (GCAF) and the German Club.