Brian A. Bell

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EDUCATION

Virginia Tech College of Engineering   **Aug. 2021 – May 2023**
MS, Computer Science | Focus: Software Engineering, HCI, Education   *Blacksburg, VA*

- New Horizon Graduate Scholar, IEEE Software Publication Author

Virginia Tech College of Engineering   **Aug. 2019 – May 2022**
BS, Computer Science & minor in Mathematics   *Blacksburg, VA*

- German Club Fraternity, Entrepreneurship Club

Blue Ridge Community College   **Aug. 2015 – May 2019**
AS, Computer Science   *Weyers Cave, VA*

- Sigma Alpha Pi Honor Society, STEM Club, Enactus, Adventure Club

EXPERIENCE

GERMAN Club Fraternity   **Aug. 2021 – Present**
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.
- Facilitated communication and relationships between alumni and current members.

Raytheon Intelligence & Space (NASA)   **May 2022 – Aug. 2022**
Software Engineering Intern   *Greenbelt, MD*

- Contributed to the NGAP (NASA-compliant General Applications) team which provided cloud infrastructure for NASA applications.

Berkley Alternative Markets   **May 2021 – Aug. 2021**
Software Development Intern   *Blacksburg, VA*

- Tested & analyzed company data sets using various Python specific libraries & frameworks.

PROJECTS

Object Detection Application – JavaScript   **Nov. 2022 – Current**

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

How do Software Engineers Prepare for Technical Interviews? – Paper   **Oct. 2022 – Dec. 2022**

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

Keyword Data Analyzer – Python   **Aug. 2021 – Dec. 2021**

- Program which scraped reddit keyword data and discovered notable statistics/trends over a 36 month period.

Covid19 Data Manager – Java   **Aug. 2020 – Feb. 2021**

- Program which analyzed the public data set provided by National institute of Health (NIH).

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C
Frameworks: ReactJS, Locust, Flask
Tools & Other: Git & Github, Bash, Visual Studio Code, IntelliJ, Eclipse, AWS, Terraform, LaTeX