Ben Glass
Richmond, VA | benglass60@gmail.com

EDUCATION

James Madison University, Harrisonburg, VA   *Expected Graduation: May 2026*
Major: Bachelor of Science: Computer Science
Minor: General Business
GPA: 3.85
Academic Achievements: President's List: Fall 2022, Fall 2023, **Dean's List**: Spring 2023

TECHNICAL SKILLS

Coding Languages: Java, Python, C, JavaScript, HTML, CSS
Other Skills: P5JS, SCRUM, Git and GitHub, Pandas, IPython, APIs, Blender, Unreal Engine 5, 3D Printing

EXPERIENCE

ManTech, Supporting the Marine Corps Warfighting Laboratory (MCWL)   Stafford, VA
Technical Intern   *May 2024 – Present*
- Leveraged Blender, Unreal Engine 5, virtual reality, and 3D printing to create an immersive virtual reality training program for Marines.
- Trained to assist in assembling, planning, and piloting unmanned aerial systems (UAS) used for experimental demonstrations and reconnaissance drills.
- Iteratively designed and revised three dimensional designs to be printed and used for projects, experiments, and value-generating activities.

Undergraduate Research   Harrisonburg, VA
Research Assistant   *January 2024 – Present*
- Research the potential for usage of the Pandas Python library in topographical and meteorological study.
- Assist in writing machine-learning algorithms to analyze real-world data effectively.
- Explore the usefulness of Python and its various libraries in processing real-life scientific research.

CAMPUS INVOLVEMENT

Competitive Programming Club   Harrisonburg, VA
Competitor   *August 2023 - Present*
- Participate in regular coding competitions against students from other schools.
- Compete in large-scale inter-university coding competitions on teams.
- Write elegant code under stress and time constraints.
- Learn new ways to solve problems from team members.

Student Ambassadors   Harrisonburg, VA
Tour Guide   *August 2023 - Present*
- Lead prospective students and their families on tours of the JMU campus.
- Provide helpful and insightful guidance to students on the tours.
- Effectively communicate with, and lead team members.

PROJECTS

Network-Wide Ad Blocker (Raspberry Pi Project), Personal Project   *Summer 2024*
- Implemented a network-wide DNS filter that uses a blacklist to block requests from known advertisers.
- Blocks most pop-ups and banner advertisements on any device connected to the home network.
- Effectively halved the amount of unnecessary content on the network, freeing bandwidth for other processes.

Movie Social Media Website (JavaScript, HTML, CSS, P5JS Project) – Software Engineering   *Fall 2023*
- A complex movie-review-based social media website.
- Users can create customized profiles, review movies, interact with other profiles, and see other's reviews.
- Relies on storing and retrieving data from multiple databases.
- Created in a team using the SCRUM engineering framework.

Love Letter Generator (Python Project), Personal Project   *Winter 2022*
- Takes a barebones letter to a significant other and fills it with many unique compliments, stories, and nice sentiments.
- Generates a .txt file on the user's desktop with a unique, never-before-seen love letter addressed to the reader.