

Ben Glass

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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

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.

Asteroids reimaged (Java Project) - Advanced Programming

Spring 2023

- Uses complex object-oriented programming to recreate the iconic Asteroids video game.
- Can be easily tweaked to vastly change the behavior of the game.
- Uses vector physics to generate movement in the game.

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.