

GAVIN BARRO

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908-328-1737

Asbury, NJ / Harrisonburg, VA

PROFESSIONAL SUMMARY

- Highly motivated and collaborative computer science major seeking an internship in a dynamic team environment where I can contribute my technical experience and knowledge.
- Experienced in programming in Java, C, Python, knowledge of Cloud Computing, SQL, Machine Learning, Applied Artificial Intelligence, Ruby, Rust, HTML/CSS, Javascript, and R

EDUCATION

Pursuing a Bachelor of Science (B.S.), Computer Science with a Minor in Data Analytics

James Madison University (JMU) - Harrisonburg, VA - Expected Graduation: May 2025 - GPA: 3.4

Accepted into a Master of Engineering in Computer Science program at Virginia Tech in Fall 2025

SKILLS & RELEVANT COURSES

Experienced and Proficient with:

Python, Java, C, HTML/ CSS, SQL, REST APIs, R, SAS, Prolog, Ruby, Rust, JavaScript

EXPERIENCE / PROJECTS

Student Researcher (*May 2023 - January 2024*): Contributed to a research project with Dr. Tang of the ISAT/Geography department where we:

- Implemented a near real-time monitoring algorithm on the Microsoft Planetary Computer platform using Python and LandSat
- Trained LandSat data based on data from Microsoft imagery and created a land change score to compare to the predicted values from LandSat

Projects (*June 2022 - August 2022, June 2024 - August 2024*): Designed and developed over a dozen different personal projects in Python and Java using APIs, web scraping, and GUIs including:

- A project that uses an API and scrapes the web allowing the user to create a Spotify playlist of popular songs based on a user entered date
- Multiple projects that send SMS messages and emails to the user giving them desired and relevant information based on stock prices, cheap flights, the weather, an ISS notifier, and Amazon price reductions/sales
- A project that uses an API and posts their workout data to a Google Sheet helping people track their fitness and wellness goals

CERTIFICATIONS

Amazon Web Services (AWS) Certified - Cloud Practitioner – July 2022

ACADEMIC ACHIEVEMENT / AWARDS

Dean's List - Academic School Year 2021-2023 - James Madison University

Recipient of The James Madison University Second Century Scholarship - Highly competitive four-year scholarship awarded to students with exemplary academic performance who are focused and committed to a STEM related field.

ACTIVITIES

James Madison University Club Cross Country and Track (*January 2022 - Present*) – Active member of a co-ed club of over 120 members who are passionate about running and compete in cross country and track events.