

Jacob Aminia

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EDUCATION

University of Wisconsin-Madison

Data Science, M.S.

GPA: N/A

Madison, WI

2024-2025

University of Wisconsin-Madison

Computer Science, B.S.

GPA: 3.68

Madison, WI

2021-2024

Relevant Courses

Intro to Artificial Intelligence, Intro to Cryptography, Intro to Algorithms, Mobile Systems & Applications, Theory of Programming Languages, Java Programming I-III, Linear Algebra, Multivariable Calculus

EXPERIENCE

Rebuy Inc.

Software Engineering Intern

Los Angeles, CA

June 2024 - Present

- Set up and conducted automated testing of Rebuy's Shopify store software in JavaScript with Playwright, reporting results automatically to Slack developer channels with a custom Slack bot.
- Wrote a Kubernetes CronJob that measures response timing data for these tests and inserts it into a PostgreSQL database.

Scale Media Inc.

Data Analytics Intern

Los Angeles, CA

May 2023 - August 2023

- Wrote a program in Python that automatically calls REST APIs from the Bureau of Economic Analysis to gather macroeconomic data annually, which allowed Scale's marketing team to gain insight into local economic trends for their target markets.
- Conducted QA on Scale's Tableau databases after a company-wide procedural shift in calculations and presented reported findings to the relevant team members.

Snap Inc.

Software Engineer Intern

Santa Monica, CA

May 2022 - September 2022

- Wrote a program in Java and Python, using REST APIs and interfacing with Google Cloud, to automate the process of collecting and interpreting crash log files for Snapchat lenses, alleviating a significant time-consuming burden for the software engineers on my team.
- Gained firsthand experience in software development methodologies, such as SCRUM and CI/CD.

PROJECTS

"Badgeroo" Android App

- Contributed to an Android app written in Java that helps users find college roommates.
- Coordinated the semester-long group project, using GitHub for version control.

Chess Board

- Wrote a two-player text-interface chess application in Python.

DAG Topological Ordering

- Implemented a directed acyclic graph topological ordering algorithm in Python.
- Used the program to create a curriculum for the parkour club I started on campus.

Other

Programming Languages: Python, JavaScript, Java, C/C++, SQL

Technologies: Playwright, Docker, Kubernetes, BitBucket, GitHub