

# Jacob Aminia

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## EDUCATION

### University of Wisconsin-Madison

Madison, WI

Data Science, M.S. (Expected 05/2025)

GPA: 3.88

Courses: Statistical Methods, Statistical Models, Statistical Inference, Probabilistic Graphical Models, Information Security, Computer Networks, Data Ethics, Human-Computer Interactions

### University of Wisconsin-Madison

Madison, WI

Computer Science, B.S.

GPA: 3.68

Courses: Intro to AI, Cryptography, Algorithms, Mobile Systems, Theory of Programming Languages, Machine Organization, Intro to Computer Engineering

## EXPERIENCE

### Rebuy Inc.

Los Angeles, CA

*Software Engineering Intern*

June 2024 - Present

- Conducting automated testing of Rebuy's Shopify store software in JavaScript with Playwright.
- Wrote a Kubernetes CronJob to store diagnostic response timing data for these tests with a PostgreSQL database.
- Wrote scripts in Python and JavaScript through Shopify's GraphQL API to automatically populate test store data, incorporating Retrieval Augmented Generation.

### Scale Media Inc.

Los Angeles, CA

*Data Analytics Intern*

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.

Santa Monica, CA

*Software Engineer Intern*

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.
- 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.

## OTHER

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

Technologies: Docker, Kubernetes, Git, Playwright

Extracurriculars: Gymnastics, Parkour Club President, Karate Black Belt