

# Matthew Ramina

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## Education

Rutgers University, New Brunswick, NJ

Spring 2021

*BS Computer Science*

GPA: 4.0/4.0

- Relevant Courses: Data Structures, Computer Architecture, Design and Analysis of Algorithms, Operating Systems, Internet Technology, Systems Programming, Intro to Linguistic Theory
- Trustee Scholar at the Honors College

## Work Experience

Amazon Web Services, Inc. – *Software Development Engineer Intern*

Summer 2020

- Designed and built an engine to analyze networking metrics and identify common issues.
- Integrated with an existing web application used to query for these metrics to provide auto-diagnostics.
- Saved numerous escalations from front-line support by adding context to complex, technical metrics.
- Fully productionized service using feature flag, runbooks, operational metrics, and dashboards.
- Utilized current technologies including Python, Pandas, Angular, Lambda, and CloudFormation.

Rutgers University Dance Marathon – *Director, Finance*

May 2020 – Present

Previously *Assistant Director*: May 2019 – April 2020, *Captain*: October 2018 – April 2019, *Dancer*: October 2017 – April 2018

- Built spreadsheets to track earnings through gear sales and analyze top canning locations.
- Assisted finance team in raising \$200k+ budget through sponsorship acquisition and gear sales.
- Streamlined manual tasks, including calculation of matching funds and execution of intra-team transfers.
- Created opportunities for student fundraisers by procuring locations for storefront donation solicitation.

RUAutonomous – *Team Captain*

June 2019 – May 2020

Previously *Subteam Lead*: June 2018 – June 2019, *Software Engineer*: September 2017 – June 2018

- Implemented a live administrative panel for UAS system built for autonomous flight competition.
- Created a training curriculum for new members to gradually acquaint them with the UAS.
- Managed deadlines and worked with subteam leads to create a plan for the year of development.
- Interfaced with judges' interoperability server, onboard imaging systems, and drone autopilot.
- Utilized current web technologies including Django, React, TypeScript, Leaflet, and WebSockets.

iCIMS, Inc. – *Software Development Engineer Intern*

Summer 2019

- Implemented a web application to quickly and accurately determine the tickets closed in a given release.
- Interfaced with Jira, a local Git repository, and a cache database to generate fully-featured reports.
- Saved hours of time and reduced the potential of shipping incomplete or buggy features to production.
- Fully unit and integration tested, achieving 80% coverage in a continuously integrated environment.
- Utilized current web technologies including React, Spring Boot, Hibernate, Docker, and Jenkins.

Commvault Systems, Inc. – *Software Development Engineer Intern*

Summer 2018

- Researched and developed backup and restore integration with cloud-managed NoSQL databases, allowing for user-managed full and incremental backups.
- Utilized multithreading and internal C++ libraries to build a robust, performant backend solution.

## Skills

Programming Languages:

Python, JavaScript, TypeScript, Java

Web Development:

React/Redux, Django, Flask, Spring Boot, CSS/Sass, d3.js, WebSockets

Development Tools:

Git, Unix, Bash, Docker, Jenkins, CloudFormation