

EDUCATION

Georgia Institute of Technology

Atlanta, GA

B.S./M.S., Computer Science

M.S. Graduation: Spring 2023

- **GPA:** 4.0
- **Concentrations:** Intelligence & Information Internetworks
- **Coursework:** Database Systems, Algorithms Design, Artificial Intelligence, Data Science, Data Structures, Linear Algebra, Probability Theory, Software Design, Computer Architecture, Automated Algorithm Design
- **Extracurricular Activities:** CS Theory Club, Eta Kappa Nu, Airsoft Club

SKILLS

Languages/Frameworks: Python, Java, C, C++, PyTorch, SQL, Bash, JS, Django, R, MATLAB, Webdriver, HTML/CSS

Technologies: Git, Linux, MySQL, Azure ML, DynamoDB, S3, GT PACE, Tableau, Office, JIRA, Android Studio

WORK EXPERIENCE

Amazon

Austin, TX

Software Development Engineer Intern

May 2021 – Aug. 2021

- Built 4 APIs to enhance the capabilities of the ICTAS service in the AEE-CRITICAL team using AWS DynamoDB, S3, and API Gateway. Service generates invoices for trade between Amazon marketplaces in different countries.
- Enabled invoice preview functionality and provided framework to deprecate configuration files within ICTAS, saving about 30 minutes per redeployment to pipeline for every addition/modification of configurations.

iCIMS

Holmdel, NJ

Software Testing Engineer Intern

Feb 2019 – Jun 2019

- Performed Jest UI testing in Javascript with Selenium WebDriver and API testing in Java with Rest Assured for new Configuration Management Tool for iCIMS Labs Department.
- Enabled automatic transfer of configurations between environments, saving around 10 minutes for every engineer.

PROJECTS

Georgia Tech Vertically Integrated Project Program - Automated Algorithm Design Spring 2021:

- Performed autoML with 10 teammates to develop algorithms for performing sentiment analysis on Amazon reviews. Accomplished using EMADe, a Python-based genetic programming engine.
- Initialized neural architecture search for NLP and learned about deep learning concepts.
- Presented statistical findings of algorithm generation and individual contributions to codebase of EMADe.

Data Science - Jump into STEM Fall 2020 Challenge:

- Created mockup of app and an IoT plug with two teammates to propose reduction in electrical loads.
- Analyzed smart home device data in R and produced visualizations of potential energy savings in Tableau, leading to a calculation of 5% potential reduction in household energy usage, or about \$3.5 billion per year.

Database Systems - Summer 2020: Georgia PPE Management System:

- Designed mock SQL database schema and application with three teammates to manage personal protective equipment (PPE) across hospitals, manufacturers, and warehouses across the state of Georgia.
- Implemented at least 30 procedures to make queries and transactions within the database using MySQL.
- Managed usage logs for 10 hospitals and manufacturers, covering at least 50 different types of PPE.

HONORS & AWARDS

Calculus League National Winner 2019: Earned perfect score on all Calculus League exams in 2018-2019.

Georgia Tech Faculty's Honor: Earned Faculty's Honor for Fall 2020 semester by achieving a 4.0 GPA.

USA Computing Olympiad Gold Division: Achieved gold division rank in USA Computing Olympiad in 2019.

Rutgers Undergraduate Writing Conference Invitation - Fall 2019: Presented research paper "Societal Establishment of Conformism Through Data Publication" at conference.