

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, Artificial Intelligence, Data Science, Data Structures, Linear Algebra, Probability Theory, Software Design, Computer Architecture, Algorithm Design, Computer Vision, Operating Systems
- **Extracurricular Activities:** CS Theory Club, Eta Kappa Nu (Initiation Officer), Airsoft Club

SKILLS

Languages/Frameworks: Python, Java, C, C++, PyTorch, Pandas, SQL, Bash, JavaScript, Django, Hadoop, R, React, Ruby, HTML/CSS

Technologies/Tools: Git, Linux, MySQL, Azure ML, DynamoDB, S3, Tableau, Jenkins, JIRA, Docker, Redshift

WORK EXPERIENCE

Georgia Tech Research Institute

Atlanta, GA

Machine Learning Student Research Assistant

Sep. 2021 - Current

- Performing genetic programming for aircraft scene generation algorithm search at the Electronic Warfare Modeling and Analysis Division of the Electro-Optical Systems Lab

Amazon.com Inc.

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 Engineer Intern

Feb 2019 - Jun 2019

- Performed browser testing in Javascript and API testing in Java for new Configuration Management Tool.
- Enabled automatic transfer of configurations between environments, saving around 10 minutes for every engineer.

RESEARCH

Georgia Tech Social and Language Technologies Lab - Fall 2021: Suggestion Generation Chatbot:

- Developing a chatbot with 2 teammates to suggest responses for listeners on 7 Cups (online group therapy session)
- Collaborating with several student teams to refine optimal strategies in motivational interviewing for automated use

PROJECTS

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.
- Classified 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 50 types of personal protective equipment (PPE) across 20 hospitals, manufacturers, and warehouses across the state of Georgia.
- Implemented at least 30 procedures to make queries and transactions within the database using MySQL.

HONORS & AWARDS

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 the RUWC conference.