

Nikos Verlenden

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EDUCATION

Georgia Institute of Technology

BS Computer Science, Minor in Spanish

May 2026

GPA: 3.95

Study Abroad

Madrid, Spain (2019-20) and Berlin, Germany (Summer 2023)

SKILLS

Technical: Java, Python, C, JavaScript, SQL, R, React, Flask, Machine Learning, Azure, MS Fabric, Git, Docker

Other: Leadership, Agile, Human-centered Design, Conflict Resolution, Lean Startup Methodology, Customer Discovery

EXPERIENCE

Infrastructure Operations Intern

Cox Enterprises

May 2024 – August 2024

Atlanta, GA

- Developed a data solution in Python and MS Fabric that spanned data collection, cleaning, manipulation, machine learning, visualization, and automation to bring new insights to incident data.
- Trained and evaluated machine learning models to accurately predict incident recurrence patterns and resolution time.
- Implemented a Vulnerability Dashboard, utilizing row-level security, improving efficiency, and integrating ServiceNow ticket creation features.
- Gained certifications in Azure, PySpark, Copilot Studio, and Tableau

Entrepreneurship Assistant – Blazeck Lab

Georgia Tech VentureLab

February 2023 – May 2024

Atlanta, GA

- Conducted customer discovery for a novel cancer immunotherapy, interviewing various stakeholders including executives at Merck, Roche, J&J, etc
- Facilitated relationships with key partners to introduce the prospect of future business collaboration
- Screened and interviewed various contract development and manufacturing organisations

PROJECTS

Racecycle | *Python, Javascript, React, Flask, Azure Libraries*

- Developed an innovative application leveraging artificial intelligence and computer vision to allow users to make more informed decisions when recycling alongside other interns
- Implemented the frontend of 12/14 application pages using *React*
- Collaborated with other interns on our *Flask* backend development
- Served as introductory speaker in our presentation to company leadership

Greenplate | *Java, Firebase, Android Studio*

- Worked alongside 5 classmates in an Agile setting to develop a full stack food tracker app
- Implemented calorie tracking, recipe creation, pantry management, and shopping list creation
- Used Firebase for secure login and database management
- Created a suite of tests for each sprint

AI Piano | *Python*

- Work-in-progress blues piano generator using machine learning
- Wrote functions that utilized various Python libraries to convert midi files into numerical data for model training including filters based on frequency
- Implemented and experimented with an LSTM model to generate musical sequences, specifically utilizing temperature and top-k sampling for increased variability

Simple Airline Management System | *MySQL*

- Database system built to handle a hypothetical airline/airport simulation (Collaborative Project)
- Designed ERD from problem description to incorporate all data possibilities
- Converted ERD to Schema mapping and then into SQL data creation script
- Followed Agile development methodology throughout the project