**Benjamin H. Steele**

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## EDUCATION

**GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA**                                   *Expected May 2025*

*Bachelor of Science in Computer Science*                                          GPA 3.82/4.00

**Relevant Coursework:** Machine Learning, Intro to AI, Data Structures and Algorithms, Computer Programming, Design and Analysis of Algorithms, Applied Combinatorics, Computer Vision, Ubiquitous Computing

## EXPERIENCE

**Delta**                                                                          *Jan 2024 – August 2024*

*Software Engineer Co-Op*

- Created Java application that utilizes data from DynamoDB, internal IBM MQ queues, and remote queue managers built on AWS to sort through millions of baggage events per day to accurately track and manage mishandled baggage and propagate notifications through the internal event ecosystem
- Managed, updated, and maintained 5 cloud applications across staging environments using DynamoDB, CloudWatch, CloudFormation, CodePipeline, ensuring updates, monitoring, and system upkeep.
- Migrated 100% of my team's APIs away from individual lambda authorizers to a centralized authorizer to be in standard with the current commercial solution saving large amounts of AWS resources
- Hosted and completed requests for change for 3 applications I had written to promote my changes to the production environment that actively manages the baggage of over 4000 departures every day

**Manhattan Associates**                                                           *May 2023 – August 2023*

*Software Consultant Intern*

- Facilitated the delivery of code changes weekly and led demo sessions of these changes to a client team of over 15 people
- Collaborated on international efforts to test and guide software design decisions for inventory management software handling over 60,00 unique inventory items and millions of cumulative items for an industry leading business
- Managed Agile boards to integrate workflow with the client and solve issues in the production environment that our team and the client team discovered, solving 3+ production issues every week and closing case tickets at a rate of 100%

## PROJECTS

**SOLV,** *Personal Project/Startup*

- Full-stack web development, designing the UI and UX to allow user engagement with the AI-driven backend
- Designing go-to-market strategies, leveraging statistically driven insights to drive successful product launch
- Overseeing seamless backend cloud integration of our AI-driven engine ensuring scalability and integration

**Review Sleuth,** *School Project*

- Trained machine learning algorithms such as Random Forest, LSTM model, and GRU to analyze over 40,000 reviews placed on the Amazon marketplace in order to predict if a review was written by a person or an AI model
- Achieved a model with 0.826 accuracy and 0.815 precision in identifying computer generated reviews
- Utilized Matplotlib, Plotly, and Numpy to analyze and visualize findings into easily comprehensible plots

**Health Insurance Predictive Analysis**, *School Project*

- Created a predictive model using biometric markers and features to determine a customer's healthcare cost and thus, the cost of their health insurance premium
- Identified crucial features and their interrelationships through statistical analysis of over 10,000 data points

## LEADERSHIP

**NCAA Division I Georgia Tech Swimming**                                          **Atlanta, GA**

*Student-Athlete*                                                                  *August 2021 – May 2023*

- Appointed to Georgia Tech Student Athlete Advisory Board (SAAB) as well as the Swim and Dive Recruiting Committee
- Spent 20+ hours per week training, with additional bi-weekly meetings for SAAB and the Letter Winners' Club Committee

## SKILLS

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|---|---|
| **Languages:** | Java, Javascript, HTML, C, Python, JavaScript |
| **Libraries/Frameworks:** | NumPy, React.js, Next.js, Pandas, React Native, Matplotlib |
| **Tools:** | Node, Docker, DynamoDB, AWS Lambda, Cloudwatch, Stacks, CodePipelines, .NET, Github, Gitlab, Postman, Agility, Jira |
| **Communication:** | Comfortable with public speaking to large groups including during filming for online content, strong abilities to manage difficult people, excellent customer service skills |