

POOYA NAYEBI

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EDUCATION

Georgia Institute of Technology, College of Computing **Atlanta, Georgia**
Master of Science in Computer Science May 2023

- Concentration: Machine Learning

Bachelor of Science in Computer Science May 2022

- Concentration: Intelligence and Information Internetworks GPA: 3.76
- Advanced Coursework: Design and Analysis of Algorithms, Machine Learning, Database Systems, Systems and Networks, Mobile Applications for Converged Networks

EXPERIENCE

American Express **Fort Lauderdale, FL**
Machine Learning Intern June 2021 – August 2021

- Developed a time-series forecasting and anomaly detection model for payment disputes for top 10,000 merchants
- Modeled changed charges for recurring services with dispute anomalies to define a correlation for actionable intel
- Produced an interactive analytics dashboard displaying a multitude of visualizations related to merchant disputes

Georgia Institute of Technology, College of Computing **Atlanta, Georgia**
Teaching Assistant: Objects and Design (CS 2340) May 2020 – May 2021

- Assisted professor in educating 300 students on software engineering design principles and Agile methodologies
- Led presentations on the fundamentals of version control (git) and hosted 3 hours of weekly office hours
- Evaluated student exams and projects focusing on object-oriented design and professional Java practices

Georgia Institute of Technology, School of Electrical and Computer Engineering **Atlanta, Georgia**
Research Assistant May 2017 – August 2017

- Worked in the Microelectromechanical Systems Lab to assist with testing of bulk acoustic wave gyroscopes
- Constructed a precision voltage source with 1-ppm accuracy that increased the accuracy of gyroscopes by 20%

PROJECTS

Deep Learning Chess Engine **Spring 2021**

- Designed and implemented a chess AI using deep learning to create an evaluation function
- Parsed PGN files with python and extracted 300,000 positions from grandmaster games to use as training data
- Utilized greedy layer-wise unsupervised training to pre-train the neural network

Space Trader Game – Project Leader **Fall 2019**

- Led a team to develop market-based game involving back-end Java development and object-oriented design
- Developed UI and utilized techniques to scale code and add features iteratively with SCRUM framework

LEADERSHIP & STUDENT ORGANIZATIONS

Fraternity of Phi Gamma Delta (FIJI) **Atlanta, Georgia**
Social Events Coordinator January 2020 – Present

- Oversaw \$50,000 budget per semester to coordinate social and school-wide events
- Communicated and collaborated with vendors and artists to ensure optimal allocation of budgets and assets
- Led preparation and planning for events of over 1,000 guests

Data Science Georgia Tech **Atlanta, Georgia**
Member August 2019 – Present

- Attended weekly 90-minute workshops on the fundamentals of data science for 9 weeks
- Gained skills in Machine Learning, Tableau, Scikit Learn, Pandas, and Jupyter Notebook

SKILLS

Programming: Proficient in Java, Python, C, SQL; Familiar with Web Development and App Development
Languages: English (Native), Spanish (Proficient), Farsi (Proficient)
Volunteer: The whY, Boys and Girls Clubs of Atlanta, For the Kids, Tutoring