Dylan Gregory Bruce

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🔗 https://dbruce32.github.io/Personal-Portfolio/ in dbruce32 ○ dbruce32

Summary

Driven third-year Computer Science student at Georgia Tech with hands-on experience in the software development lifecycle and a solid foundation in languages like Python, Java, and SQL. Passionate about building reliable solutions and eager to apply technical and analytical skills in a real-world setting. Committed to learning from peers and contributing to a collaborative, problem-solving environment.

Education

Georgia Institute of Technology   *June 2023 – Present*
BS in Computer Science
Minor in Mathematics

- GPA: 3.91/4.0
- **Computer Science Coursework:** Machine Learning (CS4641), Introduction to AI (CS3600), Data Structures & Algorithms (CS1332), Design & Analysis of Algorithms (CS3510), Systems and Networks (CS2200), Objects & Design (CS2340), Computer Organization & Programming (CS2110), Intro to Database Systems (CS4400), Intro to Discrete Math (CS2050)
- **Mathematics Coursework:** Probability & Statistics (MATH3215), Applied Combinatorics (MATH3012), Multivariable Calculus (MATH2551), Linear Algebra (MATH1554)

Experience

Teaching Assistant - Discrete Mathematics   *Atlanta, GA*
Georgia Tech College of Computing   *May 2023 – Present*

- Assisting students in understanding foundational concepts in discrete mathematics including logic, set theory, combinatorics, and graph theory.
- Involves holding recitations, grading assignments, and providing individual support during office hours.

Service Worker   *Snellville, GA*
Arditi Pizzeria   *Sep. 2022 - April 2023*

- Worked at a locally owned artisan pizzeria with a small team.
- Duties included food preparation, storage organization, and financial transactions.

Projects

Movie Success Prediction Model   *Source code* ↗

- Developed a machine learning model that predicts movie revenue with at worst $\sim 14\%$ error.
- Tools Used: Python, Sci-kit Learn, Keras

WanderSync: Travel App   *2024*

- Built an app with fellow cohorts for academia designed to log and plan trips and vacations.
- Tools Used: Java, Android Studio, Agile, Jira

Technologies

Languages: Python, C++, C, Java, MIPS Assembly, SQL, JavaScript

Tools/Technologies: Docker, MySQL, Git, Jira, Android Studio, Firebase, Agile, Scrum, LaTeX, React.js

Certificates: MTA (Microsoft Technology Associate) in Software Development Fundamentals (3/29/22)