

# CONNOR T. CORRIGAN

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## EDUCATION

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**Georgia Institute of Technology** | Atlanta, GA

**Graduation: December, 2026**

*Bachelor of Science in Computer Science: (Dean's List)*

**Relevant Coursework:** Data Structures and Algorithms, Linear Algebra, Computer Organization and Programming, Objects and Design, Software Development, Discrete Mathematics, Systems Programming

**Involvement:** Japanese Speaking Club (Secretary), Codehub (Developer), Association for Computing Machinery, NCWA club Wrestling Team, International Ambassadors at Georgia Tech (Head of Finance)

## EXPERIENCE

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**Synovus - Data Analyst Intern** | Atlanta, Georgia

**May 2025 - August 2025**

- Leveraged Databricks and PySpark to perform large-scale data transformations and analytics for executive reporting.
- Built dashboards and reports using tools such as SQL, Python, and Power BI to assist in data-driven decision-making across business units
- Wrote modular Python scripts for ad hoc data analysis, significantly reducing manual processing time for the analytics team.

**Computer Futures, SThree - Software Engineering Intern** | Ginza, Japan

**June 2023 - August 2023**

- Engineered automated scripts in Python and SQL to efficiently process and match thousands of STEM candidate profiles to roles at leading fintech, banking, and cryptocurrency firms, increasing candidate placement speed by 40%.
- Enhanced database schema designs, implemented advanced indexing strategies, and reduced query execution times by 30%, ensuring rapid retrieval of candidate data and improving overall system scalability.
- Integrated analytics dashboards and reporting tools to provide actionable insights for recruitment strategies.

**University of Georgia – Systems Teaching Assistant** | Athens Georgia

**October 2023 - December 2023**

- Selected as 1 of 3 teaching assistants for Systems Programming in C to undergraduate students.
- Provided individualized assistance to students debugging code and guidance on assignments and projects.
- Led complex programming concept review sessions, including memory management, pointers, and system calls.
- Assisted professor evaluating and grading programming assignments, and provided constructive feedback to students.

## PROJECTS

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**Microplastic tracker – Developer (personal project)**

**June 2025**

- Developed PlastyAI, a microplastic exposure tracking app that helps users identify foods, estimate plasticizer contamination, and receive personalized health tips to reduce their exposure with data derived from Nat Friedman's plastic list (ng/serving)
- Built and trained a custom TensorFlow Lite model on 302 food classes from Fruits360 and Food101 datasets, then integrated it into a React Native mobile app for on-device food recognition
- Built comprehensive data tracking system using AsyncStorage for local persistence, with weekly visualizations and trend analysis to help users monitor their microplastic exposure over time
- Implemented full-stack solution including Flask API backend for server-side ML inference and deployed to ios app store.

**Car-Price Evaluator - Developer (personal project)**

**February 2023**

- Developed and deployed a Python-based algorithm that provides analytics on a car's listed price against aggregated market values, leveraging Python libraries (Pandas, NumPy) and Google Cloud APIs for scalable data retrieval.
- Designed, implemented, and integrated all core features within 48 hours during UGA Hacks 8, demonstrating adaptability, efficient coding practices, and the ability to deliver functional MVPs under pressure.

## SKILLS/INTERESTS

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- **Programming Languages:** Java, Python, Java Script, HTML, C, React Native, Android Studio, TensorFlow
- **Languages:** Written and conversational fluency in both English and Japanese (dual citizenship: U.S. & Japan)
- **Interests:** Wrestling, Mixed Martial Arts, Entrepreneurship, Software Developing