

Connor McIlhinney

Atlanta, Georgia • 678-575-9889 • U.S. Citizen • connormac9@icloud.com • www.linkedin.com/in/connor-mcilhinney

EDUCATION

Georgia Institute of Technology, College of Computing Bachelor of Science in Computer Science

Atlanta, Georgia

Expected Graduation: May 2026

GPA: 3.61

Credits: 82

Concentration: Information Internetworks & Intelligence

Scholarships: Zell Miller Scholarship Recipient

Study Abroad: Universitat Politècnica de Catalunya, Summer 2024 (12 Credits)

Relevant Coursework: Robotics: AI Techniques, Data Structures & Algorithms, Intro to Database Systems, Linear Algebra

PROJECTS

HIGHLIGHT GENERATOR

Atlanta, Georgia

Dec 2024 - Present

- Utilized YOLOv8 for object detection and tracking to automate soccer highlight creation
- Enabled player-specific focus by integrating freeze-frames and red-circle annotations in .mov and .mp4 files

MARS GLIDER

Barcelona, Spain

May 2024 - July 2024

- Created and optimized path generation to avoid asteroids by utilizing particle filters, A* algorithm, and PID smoothing algorithm
- Tracked simulated asteroids with noisy sensors and navigated an aircraft with noisy movements

DATABASE SYSTEM

Barcelona, Spain

May 2024 - July 2024

- Designed and implemented an Entity-Relationship Diagram of an Airline Management System
- Created SQL tables with strict integrity constraints, ensuring data accuracy and seamless inter-table relationships
- Enhanced data access by developing target views and stored procedures for efficient retrieval and manipulation

EXPERIENCE

CANOPY

Peachtree City, Georgia

Software Intern

June 2022 - August 2022

- Worked under the guidance of Steven Covelo, Head of Sales, to identify targeted applications for Canopy's outbound clients
- Shadowed Steve Latham, CEO, to gain insights into strategic decision-making, leadership approaches, and the development of client-focused software solutions.

GTSF INVESTMENTS COMMITTEE – QUANT SECTOR

Atlanta, Georgia

Quant Analyst

May 2024 - Present

- Conducted quantitative analysis and developed data-driven models to identify investment opportunities
- Analyzed market trends and assisted in portfolio optimization using statistical tools and programming languages

COMPETITIVE ROBOTICS AT GEORGIA TECH (RoboJackets)

Atlanta, Georgia

RoboCup, Software team

May 2024 - Present

- Navigated Git and Github for version control and utilized ROS and other frameworks to create autonomous soccer-playing robots

LAZY DOG RESTAURANT

Atlanta, Georgia

Server

May 2023 - August 2023

- Consistently worked 3-4 shifts per week as a server, optimizing team performance and enhancing guest experiences

SELF-EMPLOYED

Atlanta, Georgia

Private Tutor and Driver

June 2022 - July 2023

- Tutored local high school students in AP BC Calculus, Pre-Calculus, Algebra II, and AP Physics I
- Communicated with clients and provided transportation to sporting events and scheduled doctor appointments

LEADERSHIP

ATLANTA UNITED (MLS)

Atlanta, Georgia

Unified Partner, Captain

September 2023 - Present

- Mentored and coached MLS Unified Players (athletes with intellectual disabilities) once a week
- Participated in soccer games against other Unified teams across the country

TECHNICAL SKILLS

Programming: Python, Java, SQL, C, HTML, CSS, JavaFX, Assembly

Affiliations: RoboJackets, GTSF Investments Committee - Quant Sector, Sigma Alpha Epsilon Fraternity