Adrian Jordan Khlim

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EDUCATION

University of North Carolina at Charlotte — Charlotte, NC
Bachelors of Science, Computer Science | GPA 3.14 — December 2026

Central Piedmont Community College — Charlotte, NC
Associates of Arts, Computer Science | GPA 3.44 — December 2023
Technical Skills: Java, C++, SQL, Python, HTML, CSS, Microsoft Office
Frameworks: Flask

EXPERIENCE

University of North Carolina at Charlotte — Charlotte, NC
Teaching Assistant - College of Computing and Informatics — August 2024 - Current

- Facilitated learning of core Java concepts such as object-oriented programming and inheritance.
- Conducted office hours to provide personalized assistance, addressing student questions.
- Proctored exams, graded assignments, and provided feedback to students on their lab work.

PROJECTS

Golden Hack 2024 Winner - Studybunny | *Web Programming* — October 2024

- Developed a front end prototype with HTML, CSS, and JavaScript that would use LLMs to train students' study methods.
- Managed team assignments, maximizing efficiency for under 48 hours.

Charlotte Hack 2024 Second Place - Line Forty Nine | *Full Stack Programming* — October 2024

- Programmed a live bus tracking system with Python, Flask, and a PassioGO! API.
- Designed a front end web page and Chrome extension with HTML, CSS, and JavaScript.

Automatic High Beam Prototype | *IoT* — April 2024 - May 2024

- Engineered an automatic high beam prototype using C++, Particle board, and light sensors to detect incoming vehicles and automatically switch to low beams, visualizing real time data with Losant.

Data Structures and Algorithms Projects | *Programming* — February 2024 - May 2024

- Tested multiple data structures and algorithms in Java using JUnit testing.
- Developed a "work ahead queue" which simulates "first three in, any one of those three out".
- Simulated a pyramid scheme in the form of a linked tree.

Soil Climate Monitor Particle Device | *IoT* — February 2024

- Designed and programmed a soil climate monitoring device using C++, Particle, and Losant.
- Integrated sensors with a Particle board to measure temperature, humidity, and moisture levels.
- Published real-time data to Losant with automated alerts and fan activation for temperature control.

Traffic Light System Replica | *IoT* — February 2024

- Replicated a working traffic light system using LEDs, C++, and a Particle board that can trigger an emergency status through the use of triggers, displaying outputs on the Particle dashboard.

Organizations: Association for Computing Machinery, Charlotte Lifters.
Awards: UNC Charlotte Entrepreneurial Thinking, Charlotte Hack Most Talent Stretching