



# Miguel Angel Ballesteros

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## EDUCATION

- **University of North Georgia** *Expected December 2025*  
*B.S. Computer Science, Machine Learning Minor* GPA: 3.69

## TECHNICAL SKILLS

**Languages:** Python, Java, Go, x86 Assembly  
**Software:** VSCode, Eclipse, JupyterNotebook, VirtualBox, Ghidra, OllyDbg, Wireshark, Cisco Packet Tracer  
**Databases:** MySQL, PostgreSQL  
**Soft Skills:** Leadership, Teamwork, Problem-Solving, Adaptability, Bilingual  
**Coursework:** Comp Organization/Architecture, Data Structures & Analysis of Algorithms, Software Engineering, Databases, Networking and Communications, Mobile Application Development, Reverse Engineering, Machine Learning

## PERSONAL PROJECTS

- **Gatin** *Fall 2024*  
*ChatGPT powered studying tool (Backend)*
  - Tools & technologies used: GO and PostgreSQL
  - Integrated ChatGPT API using Go to convert user-uploaded notes into structured flashcards
  - Implemented PostgreSQL queries for data storage and retrieval, ensuring smooth management of user-generated content.
  - Designed and implemented endpoints to manage user data and flashcard sets
  - Led SCRUMS
- **Hamster Havok!** *Fall 2024*  
*Android Mobile Game(Full Stack)*
  - Tools & technologies used: Java
  - Contributed to the development of game loop and performance optimizations, boosting FPS and improving gameplay smoothness.
  - Worked on graphics rendering and optimized visual performance to ensure smooth and responsive game animations.
  - Refactored game code and helped enhance the UI, including high score tracking and the death screen.
- **Library Database** *Spring 2024*  
*MySQL Database(Group Leader)*
  - Tools & technologies used: MySQL
  - Led the design and implementation of database entities and relationships, including tables for Books, CDs, DVDs, Members, and Employees, ensuring proper normalization and structure.
  - Developed and populated database tables, such as CD\_genre, reserves, checkout, and library\_item, and implemented foreign key constraints to maintain data integrity.
  - Contributed to project documentation, including the ER diagram, RM diagram, and the final report, and helped ensure smooth data migration and integration into the database.

## EXPERIENCE

- **Ciy Electric Supply | Lawrenceville** *August 2022 - April 2023*  
*Counter Sales*
  - Assisted customers with order processing, product retrieval, and inquiries both in-person and over the phone, while managing inventory by stocking merchandise, organizing the warehouse, and maintaining a clean, efficient warehouse.
- **La Casa Del Taco | Flowery Branch** *August 2021 - January 2024*  
*Server/Helper*
  - Delivered customer service in a fast-paced environment by taking orders, serving food, managing to-go orders, restocking supplies, maintaining cleanliness, and processing transactions with Clover POS
- **Panda Express | Dawsonville** *January 2024 - May 2024*  
*Front of House*
  - Managed high-volume customer service in a fast-paced restaurant environment, handling guest interactions, food service, cash transactions, to-go orders, and maintaining lobby cleanliness.