

Andrew Coggins

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EDUCATION

Florida Atlantic University
Bachelor of Science in Computer Science
GPA: 3.75/4.0

Boca Raton, FL
August 2025

RELEVANT COURSEWORK

Data Structures & Algorithm Analysis, Object-Oriented Design & Programming, Principles of Software Engineering, Computer Operating Systems, Intro to Database Structures, Foundations of Cybersecurity, Intro to Deep Learning, Intro Data Science Analytics

TECHNICAL SKILLS

- **Languages:** Python, Java, C/C++, SQL, Assembly
- **Cloud & DevOps:** AWS (RDS, Lambda, API Gateway, S3, IAM, VPC), Docker, Git
- **Web Development:** HTML, CSS, JavaScript
- **Databases:** PostgreSQL (incl. PostGIS), Database Design, Normalization, Performance Tuning (Indexing), pgAdmin
- **AI/ML/Data Science:** Deep Learning Concepts, Data Analysis, Pandas, NumPy
- **Backend Frameworks:** Flask
- **GUI Frameworks:** Java Swing
- **API & Testing:** REST API Development, Pytest, Postman, Marshmallow
- **Concepts:** Object-Oriented Programming (OOP), Data Structures & Algorithms, Algorithm Design & Analysis, OS Concepts (Processes, Threads, Memory Management), Computer Architecture, Offensive Security Concepts (Red Team), Defensive Security Concepts (Blue Team), Digital Logic Design, Software Development Lifecycle (SDLC), Programming Language Paradigms, Network Protocols (HTTP), File I/O, GUI Design, Agile/Scrum Methodology

ACADEMIC PROJECTS

Turn Unknown Spaces into Familiar Places (Engineering Design I & II, Fall 24-Spring 25)

Contributed to a team project developing an indoor navigation system for individuals with mobility impairments. Led backend development for an indoor navigation system, designing and implementing a PostgreSQL database on AWS RDS and a Python/Flask API deployed via AWS Lambda/API Gateway.

Java Daily Planner Application (Object-Oriented Design & Programming, Spring 2024)

Contributed to a team project developing a desktop daily planner application using Java and the Swing GUI toolkit. Implemented features including user account management, event creation/scheduling with conflict detection, and multiple calendar views. Utilized object-oriented principles and Java Serialization for saving/loading user data

WORK EXPERIENCE

Cinemark Movie Bistro
Server

Boca Raton, FL
May 2022 – Present

- Managed multiple tasks and prioritized responsibilities effectively in a fast-paced, customer-focused environment.
- Developed strong communication and problem-solving skills through direct interaction with diverse customers and collaboration with team members.