

Andrew Coggins

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PROFESSIONAL SUMMARY

Founder of Coggins Creations, LLC and an experienced Technical Consultant with over 15 years of hands-on expertise in custom hardware and IT solutions. Complements this practical foundation with a B.S. in Computer Science (GPA: 3.75), bringing a rigorous understanding of software engineering, cloud architecture (AWS), and data structures. Eager to apply this unique combination of deep technical experience and formal software development knowledge to a challenging role in software development, data science, or cybersecurity.

WORK EXPERIENCE

Founder & Technical Consultant | Coggins Creations, LLC

Boca Raton, FL | Oct 2025 - Present

- Formalized 15+ years of independent technical consulting by establishing a dedicated business entity for bespoke IT solutions.
- Engineer and deliver tailored technical solutions by diagnosing client needs, building custom PC hardware, and troubleshooting complex system issues to ensure optimal performance.
- Lead client relationships through the entire project lifecycle, from initial consultation and requirements gathering to final delivery and support.

Freelance Technical Consultant | Self-Employed

Boca Raton, FL | Oct 2010 - Sep 2025

- Provided on-demand IT support, custom hardware builds, and software troubleshooting for a diverse client base of individuals and small businesses over a 15-year period.
- Established a strong reputation for diagnosing persistent technical issues and implementing reliable, long-term solutions that minimized client downtime.

Server | Cinemark Movie Bistro

Boca Raton, FL | May 2022 - Present

- Excelled in a dynamic, high-volume environment, translating diverse customer requests into precise orders and proactively resolving issues to ensure a positive service experience.

TECHNICAL SKILLS

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

TECHNICAL PROJECTS

Turn Unknown Spaces into Familiar Places (Fall 24-Spring 25)

- Spearheaded the backend architecture for an indoor navigation system using AWS (RDS, Lambda, API Gateway) to assist individuals with mobility impairments.
- Engineered and deployed a PostgreSQL database on AWS RDS, designing the schema to efficiently store and retrieve complex LIDAR and camera scan data.
- Developed a Python/Flask REST API with full CRUD functionality, enabling the system to manage and serve environmental data to the user-facing application.

Java Daily Planner Application (Spring 2024)

- Developed a feature-rich desktop daily planner application using Java and the Swing GUI toolkit.
- Engineered an event scheduling system with a user-activated conflict detection algorithm to prevent overlapping tasks.
- Implemented user account management and data persistence using Java Serialization to save personalized schedules across sessions.

EDUCATION

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

Boca Raton, FL

- Data Structures & Algorithms, Software Engineering, Database Structures, Cybersecurity.