

## Samuel Ebaugh

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### EDUCATION

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**The University of Central Florida** | Orlando, FL

**B.S. in Computer Science**

**May 2026**

- **Relevant Courses:** Machine Learning, Cyber Defense Analysis, Object-Oriented Software Development

**Eastern Florida State College** | Melbourne, FL

**Associate of Arts**

**August 2022**

### PROJECTS

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**Ask Knightro (Node.js, Gemini API, RAG, NLP)**

**June 2025**

- Developed a solo AI chatbot for UCF using Google Gemini API and a Retrieval-Augmented Generation pipeline
- Built a full-stack application to parse and query thousands of university documents via a custom knowledge base
- Integrated NLP techniques and prompt engineering to improve reasoning and response quality

**ScholarKnights (React.js, Node.js, MongoDB, Flutter/Dart) ([scholarknights.com](https://scholarknights.com))**

**March 2025**

- Engineered backend architecture: designed RESTful APIs and managed MongoDB schema
- Created Gantt charts and sequence diagrams to organize team workflow
- Developed a complete mobile interface independently using Flutter and Dart

**Contact Cloud (LAMP Stack: Linux, Apache, MySQL, PHP)**

**January 2025**

- Wrote all backend APIs in PHP; coordinated Gantt charts and timeline planning
- Assisted with frontend design in Figma and designed database schema using MySQL

### EXPERIENCE

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**Research & Development Intern | OneEthos** | Remote - Orlando, FL

**August 2025 - Present**

- Spearheaded development of a nationwide Small Business Portal for Climate First Bank, architecting an automated ETL pipeline to populate and verify millions of U.S. business records.
- Directed cross-functional team using Agile/Jira workflows, managing timelines, PRDs, and data-verification standards across engineering, design, and compliance stakeholders.
- Integrated AI-powered classification and verification systems (OpenAI / Gemini) into the data pipeline to automatically flag, score, and categorize businesses by mission-driven attributes

**Shift Lead | BurgerFi** | Orlando, FL

**October 2023 - December 2024**

- Supervised daily operations and led team coordination in a high-volume environment
- Trained and onboarded new staff, improving shift efficiency and consistency
- Streamlined POS workflows, reducing order errors and average wait time

**Percussion Instructor | Eau Gallie High School** | Melbourne, FL

**May 2021 - December 2021**

- Designed lesson plans and performance goals for competitive competitions
- Maintained percussion equipment, ensuring readiness and safety

### TECHNICAL SKILLS

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**Languages:** Python, C/C++, C#, Java, JavaScript, TypeScript, Dart, PHP, SQL, Haskell, HTML/CSS

**Frameworks/Tools:** React, Next.js, Node.js, Express, Flutter, Tailwind, MongoDB, MySQL, Docker, GitHub, Postman, Figma

**AI & Systems:** Gemini API, OpenAI API, Prompt Engineering, RAG, NLP, LangChain, Linux, AWS, VirtualBox/VMWare

### CERTIFICATIONS AND INVOLVEMENT

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- **AWS Academy Cloud Foundations & AWS Academy Cloud Security Foundations** – AWS Academy Graduate 2024
- **TestOut CyberDefense Pro Certificate** – TestOut Graduate 2024
- **Member**, KnightHacks and Hack UCF
- **Competitor**, eCitadel Open 2025 & UCF GemiKnights Hackathon