ERIC AHN

(559) 367 1939 | ericahn03@gmail.com | Atlanta, GA | github.com/ericahn03

Innovative and driven undergraduate student with a passion for applying machine learning and AI to dynamic fields, including healthcare and music analysis. Seeking to contribute technical expertise, creative problem-solving, and a deep understanding of data-driven technologies to collaborative, impact-driven research environments.

SKILLS

- **Programming Languages:** Java, Python, Swift, C++
- **Frameworks & Tools:** XCode, Firebase, MongoDB, JSON, Unix, Git
- **Technologies:** Machine Learning, Data Structures, Knowledge Graphs, Graph Neural Networks, iOS Development
- **Methodologies:** Agile Development, Object-Oriented Design, API Integration

EDUCATION

Emory University — Atlanta, GA   *Aug 2021 – May 2025*
Bachelor of Arts in Computer Science and Minor in Mathematics
Relevant Coursework: Systems Programming, Computational Linguistics, Data Structures and Algorithms, Machine Learning, Applications of Machine Learning, Computer Architecture, Analysis of Algorithms, Software Engineering Practicum, Foundations of Computer Science

PROJECTS

Jarvis: Privacy-Focused Virtual Assistant
- Developed a privacy-centered virtual assistant for smart device control and voice command recognition
- Frontend: Created macOS and iOS interfaces with Swift, integrating JSON for data handling
- Led weekly spring meetings to monitor progress and set future goals for features liked enhanced iOS database connectivity and user customization

Mobile App Developent (Self-Initiated Projects)
- Weather App: Integrated OpenWeatherMap API for real-time data using URLSession, JSON parsing, and Dark Mode support with SF Symbols
- Chat App: Built with Firebase Cloud Firestore and Cocoapods, focusing on data presentation via TableViews and applying memory management best practices

Agentic Health: AI Search and Action Engine
- Startup project member building agentic AI systems using dynamic knowledge graphs, graph neural networks, and data processing for healthcare applications
- Coordinated with Emory Sarker Labs and Vital Labs to integrate scalable NLP models and real-time data sources

RESEARCH & WORK EXPERIENCE

Agentic Health *AI Developer Intern* — Atlanta, GA   *Aug 2024 – Jan 2025*
- Engineered knowledge graphs to structure data in dynamic triple relationships, updating in real-time for complex AI-driven decision-making systems
- Focused on optimizing large language model (LLM) context integration for healthcare applications, improving diagnostics and IoT-driven patient care

LEADERSHIP & DEVELOPMENT

- Computer Science Practicum Team Lead — Software engineering project focused on AI-based systems
- Peer Mentorship — Guided first-year students transitioning into computer science, emphasizing programming fundamentals and best practices