

JINSEO “EVAN” LEE

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Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

Expected Graduation: Dec 2026

Atlanta, GA

Concentration: Information Internetworks & Intelligence | Cumulative GPA: 4.0/4.0

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Database Management
- Systems & Network
- Computer Networking
- Computer Vision
- Computer Architecture

Experience

AI Agent Software Developer Intern

K.L. Scott & Associates

Oct 2025 – Present

Atlanta, GA

Software Engineer

EPIC Lab

Jan 2025 – Present

Atlanta, GA

- Developed **intelligent controllers** for robotic exoskeletons, integrating **machine learning models** to predict user intent and optimize **torque assistance** across varying gait conditions, user profiles, and biomechanical constraints.
- Built and deployed a real-time sensor **visualization** pipeline using Python and **Dash**, reducing data latency by **18%** and improving responsiveness of torque-assist prediction models through **TCN** (Temporal Convolutional Networks).

Software Engineer Intern

SendSafely

May 2025 – Aug 2025

Newark, DE

- Automated **CI/CD pipelines** and **production deployments** for Python, Java, and JavaScript SDKs using **GitHub Actions**, **AWS S3**, and **shell script**, reducing release times by **32%** and eliminating over **8** recurring build failures.
- Migrated internal encryption infrastructure to **AWS Key Management Service** by replacing **Secrets Manager** workflows, reducing manual key rotation by **80%** and improving encryption reliability across production environments.

Object-Oriented Programming Head Tutor

Honors College - Georgia State University

Sep 2023 – Feb 2024

Atlanta, GA

- Led a team of **6 honors tutors**, coordinating weekly sessions for over **30** students, covering **OOP**, **Data Structures**, and **data manipulation** using the **Pandas library**, reinforcing foundational understanding through applied learning.
- Spearheaded **logistics** and content planning, fostering an effective learning environment through personalized instruction, while creating over **25 coding practice problems** to solidify comprehension of core CS concepts.

Projects

Collab-Plan AI | Python, FastAPI, SQL, Ollama, faster-whisper, Hugging Face, React

- Built a full-stack **AI**-powered conversation platform integrating **FastAPI**, **SQLite**, and **React**, with local **Ollama LLM** to generate structured knowledge from unstructured input, supporting **3** ingestion modes and multi-format exports.
- Implemented an end-to-end audio and text processing pipeline using **FFmpeg**, **webrtcvad**, **faster-whisper**, and **pyannote.audio** for transcription and diarization, reducing noise by **35%** and enabling speaker-attributed transcripts.

Spotify-Wrapped Mock-up | Java, Android Studio, Gradle, XML, SQL

- Directed **6** developers in building a Spotify Wrapped app on **Android Studio**, improving **API** response time by **13%** through **HTTP request** handling and **asynchronous processing**, while integrating Adobe Express into the UI.
- Employed an optimized **SQLite** database schema to enhance **CRUD** operations for storing and managing user history, supporting efficient local data storage and retrieval for user access while navigating frontend constraints in **XML**.

Encrypted File Transfer CLI | Java, SendSafely API, Maven

- Developed a secure file transfer workflow leveraging the SendSafely **API** for automated file **encryption**, real-time progress tracking, and secure link generation within the command line, reducing manual transfer effort by **45%**.
- Engineered a modular Java solution that integrated **exception management** and detailed **logging**, improving system reliability, and debugging efficiency, and reducing unhandled errors by over **32%** across diverse file transfer scenarios.

Skills

Languages: Python, Java, C, TypeScript, JavaScript, SQL, Assembly

Technologies: REST APIs, MySQL, SQLite, Android Studio, HTML/CSS, LaTeX

Frameworks & Cloud: FastAPI, React, Tailwind, Hugging Face, AWS (KMS, Secrets Manager, S3), GitHub Actions

Developer Tools: Git, Docker, Chrome DevTools, Jira, VS Code, IntelliJ, MySQL Workbench, DataGrip

Leadership Roles: Media Manager - Georgia Tech Korean CS Organization, Operation Assistant - GT Career Fair