

Jinseo "Evan" Lee

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EDUCATION

Georgia Institute of Technology

Atlanta, Georgia

B.S. in Computer Science

Expected Graduation Date: May. 2026

- **Junior**, Concentrations: Information Internetworks & Intelligence
- GPA: 4.0/4.0
- Coursework: Discrete Mathematics, Linear Algebra, Object Oriented Programming, Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Design & Analysis of Algorithms

PROJECTS

Spotify-Wrapped Mockup

Scrum Master | Full Stack | Java, Gradle, XML, SQLite, Adobe Express

Feb. 2024 – May. 2024

- Directed a cross-functional team of 6 developers to build a Spotify Wrapped app using Android Studio (**Java** Kotlin), integrating the Spotify SDK for authentication and API usage.
- Developed efficient HTTP request handling and asynchronous processing to access and parse user data such as top tracks, artists, and genres from Spotify's API, improving API response time by **13%**.
- Employed **SQLite** database for local data storage, implementing efficient database schema design and **CRUD** operations to store and manage user's Spotify Wrapped history within the application.
- Integrated Adobe Express-generated backgrounds and designs into the Spotify Wrapped application's front end using XML, adeptly navigating the textView & imageView constraints.

OpenAI Image Generator

Personal Project | Full Stack | JavaScript, HTML, CSS

June. 2023 – Sep. 2023

- Engineered an AI image generator using **JavaScript** and the OpenAI API, providing users with the capability to generate 4 unique images tailored to their personalized inputs.
- Integrated the OpenAI API into the image generation system and optimized API calls through precise fine-tuning of critical parameters and strategic data caching techniques for enhanced efficiency.
- Designed and implemented an aesthetically pleasing user interface using **HTML** and **CSS**, ensuring a consistent experience across a diverse range of devices with responsive design principles and cross-browser compatibility.
- Optimized asynchronous programming and image processing, leading to a **16%** reduction in image generation time and improving overall responsiveness.

Exploratory Data Analysis on Han River, ROK

Lead Analyst | Python, Pandas, Matplotlib

Feb. 2023 – April. 2023

- Analyzed **400+** data entries using **Pandas** to clean, process, and extract patterns from variables such as salinity, pH, water temperature, air temperature, and water depth.
- Visualized seasonal trends in water temperature and depth stability with **Matplotlib**, creating detailed line and scatter plots to interpret environmental changes over time.
- Discovered a **92%** correlation between air and water temperature, quantifying the atmospheric effect on water conditions and contributing to a data-driven understanding of the river's dynamics.

EXPERIENCE

CS 1301/1331 AC Tutor

Head Tutor

Sep. 2023 – Jan. 2024

- Assumed a pivotal leadership role within the computer science after-class tutoring program, supervising a dedicated tutoring team of 6 honors college members to enhance the overall quality of academic support.
- Led **13** tutoring sessions per semester, providing targeted support to over **30** students per session on topics such as Object-Oriented Programming, Pandas DataFrame, and Class Inheritance.
- Managed session logistics, including scheduling, content preparation, and student coordination, ensuring a seamless and productive learning environment.

SKILLS

Programming: Python, Java, MySQL, HTML, CSS, JavaScript, Kotlin, C, LC3, Gradle, XML

Tools: IntelliJ, Eclipse, VS Code, PyCharm, Jupyter Lab, WebStorm, Android Studio, Git, LaTeX

Awards: 4 consecutive President's List Awards