Taehoon Lee
(*Ethan*)

| Software Engineer
| Undergraduate at Emory
| US Permanent Resident

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in LinkedIn

⚙ GitHub

💼 Portfolio

Certifications

IBM
Python for Data Science, AI & Development
View credential

Google
UX Design Professional Certificate
View credential

Skills

Language
Java, Python, JavaScript, TypeScript, C/C++, C#, HTML, CSS, SCSS, SQL

Tech Stack
React, Angular, Flask, Gradio, PyTorch, OpenCV, Pandas, Tailwind, Node.js, Next.js, Firebase, jQuery, Vite, Git, MongoDB, Linux, Spring Boot, Figma, Adobe XD

About

Psychologist-turned-developer with a passion for machine learning and web development. Leverages an understanding of human behavior to craft intuitive and engaging software solutions using diverse programming languages and frameworks.

Education

Emory University   *Aug '23 - May '26*
B.S. Computer Science, B.A. Psychology   *GPA: 4.0*
- Relevant coursework: Data Structures & Algorithms, Computer Architecture, Discrete Mathematics, Data Mining
- Transferred from UC Santa Barbara after first year.

Professional Experience

Software Engineering Intern   *Jun '24 - Present*
National Science Foundation   *Atlanta, GA*
- Developed an interactive Gradio-based web application that enables users to annotate important areas on image data, enhancing the explainability and accuracy of DNNs using robust explanation supervision techniques like RES.
- Trained visual prompted models using PyTorch, focusing on improving model generalizability through user-generated visual prompts.

Software Engineering Intern   *Jun '24 - Present*
eStreamly   *Atlanta, GA*
- Enhanced user interface accessibility and cross-browser compatibility to deliver an intuitive and seamless online shopping experience.
- Implemented high-fidelity prototypes in Angular, utilizing TypeScript and SCSS to optimize performance and maintainability.

Research Assistant   *Nov '23 - Present*
Cognition and Visualization Lab   *Atlanta, GA*
- Collaborated closely with Emory faculty to co-author a research paper on music streaming data visualization, submitted to CSCW 2024.
- Utilized Python and D3.js to create interactive visualizations that effectively illustrate Spotify user behaviors and preferences.

Research Assistant   *Sep '22 - Mar '23*
Music Cognition Lab   *Santa Barbara, CA*
- Gained proficiency in statistical tools including SPSS Statistics, R, and Gold-MSI for robust data analysis of human listening behavior.

Projects

RIDEmory: Campus Ride-Share Service   *Nov '23 - Present*
View Repository   *Spring Boot, MongoDB, React.js*
- Launched a dynamic ride-share database for Emory students, using Spring Boot and MongoDB for efficient CRUD operations and data management.
- Spearheaded the design and implementation of a responsive web application with React.js.

Personal Portfolio Website   *Oct '23 - Dec '23*
View Repository   *React.js*
- Developed a website showcasing my most ambitious projects, professional experiences, and personal interests.