

Ethan Loo

EDUCATION

Georgia Institute of Technology

Computer Science - GPA 3.80

Atlanta, GA

May 2022 – May 2026 (anticipated)

PROJECTS

Spotify Wrapped Application

Android Studio | Kotlin, Java

- Developed fully functional application that retrieves and displays data from Spotify API.
- Led the planning and execution of UI/UX design and front-end development.

Vertically Integrated Project: Video Game for Power Grids (Simulation/Management Game)

Unity | C#

- Spearheaded planning and development of UI/UX design for the video game.
- Collaborated across teams to determine mechanics, physics, and complexity of the game.
- Modelled 3D game assets in MagicaVoxel and Unity.

Quantum (2D Pixel Platformer)

Unity | C#

- Spearheaded planning and development of UI interface.
- Developed game assets and animation effects in Aseprite and Unity.

Minerva OCR & Multimodal (DuckAI)

TKinter

- Spearheaded development of GUI to display eye-tracking data, developing 3 different designs prototypes using TKinter.

EXPERIENCE

Keysight Technologies

May 2024 – Aug. 2024

QA Engineer Intern

Penang, MY

- Spearheaded test procedures for various new systems and application features in development.
- Collaborated in planning minimum viable product (MVP) for version 7.5.0-0 of Eggplant DAI.
- Authored and debugged test scripts in Eggplant Functional for automated model-based tests.

SKILLS & INTERESTS

Programming Languages: HTML, CSS, React, Java, Python, C, C#, JavaScript, SQL, LaTeX, SenseTalk

Software/Frameworks: Android Studio, TKinter, Firebase, Git, GitHub, Docker, VSCode, IntelliJ, NodeJS, Unity, Discord Developer Tool, MagicaVoxel, Aseprite, Affinity Suite, Microsoft Excel, Microsoft Office

Interests: Web Development/Design, Game Development/Design, Data Science, Graphic Design, Photography

Extracurricular Achievements:

- Achieved 1st Degree Black Belt in Taekwondo ITF.
- Achieved PADI Open Water and Advanced Open Water Diver License.

CLASSES

Relevant Courses: Data Structures and Algorithms, Computer Organization and Programming, Design and Analysis of Algorithms, Procedural Content Generation, Computer Graphics, Systems and Networks

LEADERSHIP

Georgia Tech Malaysia Student Association

Jan. 2023 - May 2024

Head of Outreach

- Designed social media posts in Affinity Photo and Designer for organized events, increasing Instagram engagement by 6% since taking over

Reformed University Fellowship

Jan. 2024 - Present

Graphic Designer

- Created graphic designs in Affinity Photo and Designer for RUF socials and promoting events

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