

Soocharn (Leo) Jeong

LinkedIn: <https://www.linkedin.com/in/leoj1566/> GitHub: <https://github.com/triple1566>

Portfolio: <https://leojjeongportfolio.netlify.app/> Email: ljjhub1566@gmail.com Phone: +1 (506)-998-1442

Education:

University of Toronto

Honours Bachelor of Science - Computer Science / Sophomore / September 2022 ~ 2027 / Toronto, ON

- **Relevant Coursework:**

Software Design (Agile, OOP, Android App Development, Java), Intro to Databases and Web applications (SQL/RDBMS, Front/Backend Development, Flask), Differential Calculus, Advanced Linear Algebra, Intro to Programming II (C, Data Structures and Algorithms), Discrete Mathematics, Multivariable Calculus, Introduction to Probability, Intro to Programming I (Python)

- **Coursera Certificates:**

Database Design and Basic SQL in PostgreSQL – University of Michigan

Projects:

Waktapulse First Person Shooter Unreal Engine C++ Game

- Developed a pre-alpha version of an Overwatch-inspired hyper FPS genre shooter.
- Created blend layers and state machines of 13 custom skill animations to recreate a natural overwatch-style look.
- Applied Linear Algebra concepts from university coursework to create a character controller by calculating the normal vector of the ground surface and the directional vector of the player-controlled entity.
- Core game logic, including replication of FPV-TPV animations over 2+ clients, physics-based projectiles, and modular skill system implemented via Unreal Engine Blueprint and C++.

Music Sequencer C Project

- Utilized C, BST, recursion, and quicksort algorithm to create a sequencer for reversing music and tone control.
- Implemented a quicksort algorithm, replacing the existing bubble sorting algorithm, resulting in average 12 second speed increase when processing 3-minute-long audio recordings.

Food Sales Website Flask / SQLite Web Development Project

- Collaborated with a student team on GitHub to develop a mock-up food commerce website with login, purchase, and shopping cart functions using Flask and SQLite.
- Created 1 index template and styled it using CSS so it can resize to multiple viewports in an adaptive manner, resulting in faster and efficient development of 4 more flask templates by inheriting from the super-template.

Portfolio Website React.js Web Development Project

- Developed a Netlify-deployed personal portfolio utilizing React.js and Tailwind-CSS.
- Utilized array-to-UI mapping in JavaScript and Tailwind-CSS to create 27 easily manageable interactive elements.

Leadership:

Google Developer Student Club Executive November 2023 ~ Present / Toronto, ON

- Invoked student engagement for GDSC-hosted events like the Google DevFest, gathering 100+ student developers.

GenAI Genesis 2024 Hackathon Organizing Committee February 2024 ~ April 2024 / Toronto, ON

- Hosted a hackathon for Google's #BuildWithAI Campaign, which produced 24 AI projects conforming to the 17 UN sustainability goals.
- Managed tight due dates for marketing projects in a collaborative student team, resulting in 645 applications and sponsorships from Google, Knockri, and Vector Institute.

Technical Skills:

Python / C / C++ / JavaScript / HTML5 / Java / CSS / React.js / Tailwind-CSS / Unity C# /

Unreal Engine 5.3 / SQLite / PostgreSQL / Node.js / Flask / Relational Databases / Git / GitHub / Jira /

Agile Methodology / Scrum / Android Studio / XML / Unit Testing / Mockito