

Jaehyeong Park

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TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML, CSS

Technologies: Git, Arduino, TinkerCAD, Blender

Libraries: jQuery, NumPy, pynput, Matplotlib

PROJECTS

- PyTetris** | [Python](#) June 2022
- Implemented the retro game "Tetris" using Python and Pygame from scratch. Included user features such as fast block placement and arrow key control.
 - Cycled through design iterations, using debugging tools to solve an issue where blocks left the grid before they appeared.
- Traffic-Intersection** | [C++](#), [Arduino](#), [TinkerCAD](#), [Blender](#) June 2022
- Processed LED signals using parallelization and timers with Arduino C to design and build a traffic light intersection system.
 - Proposed, debugged, and optimized a functioning prototype using Blender and TinkerCAD software.
- Auto Clicker** | [Python](#) June 2022
- Created an auto clicker in Python using threading and pynput. Used OOP principles to organize code and a running listener to check whether the program state.
- Bomb-Shield Game** | [Python](#) June 2022
- Created a game similar to Space Invaders as a final project for my Introduction to Computer Science course using pygame.
- Discord Edit-History Bot** | [Python](#) June 2022
- Developed a logging Discord bot that allows users to view the edit history of a message when a message is edited.
- Personal Website** | [Html/CSS](#), [Javascript](#) August 2022
- Designed and launched a personal site with a HTML/CSS + JS optimized for desktop and mobile use. Incorporates responsive, modern project pane design with hover animations.

VOLUNTEER EXPERIENCE

- Haven Safe** May 2022 – August 2022
- Volunteer** *Remote*
- Haven is a safety expert-approved app used by students to quickly connect with loved ones and the police in emergencies.
 - Advocated for campus safety in schools and universities by launching marketing campaigns on social media.

EDUCATION

- Earl Haig Secondary School** Sep 2020 – June 2024
- Ontario Secondary School Diploma. Honour Roll.** *Toronto, ON*
- External Coursework:** Edx: NYUx - Introduction to C++, NYUx - Advanced Programming in C++, Harvard CS50