

# Jaehyeong Park

[jaehyeongpark06@gmail.com](mailto:jaehyeongpark06@gmail.com) | [jaehyeongpark.social](#) | [LinkedIn](#) | [Github](#) | +1 (647) 456 7555

## TECHNICAL SKILLS

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

**Technologies:** Git, Arduino, TinkerCAD, Blender

**Libraries:** jQuery, NumPy, pynput, Matplotlib

## PROJECTS

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- 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.
- Weather App** | [Html/CSS](#), [Javascript](#) August 2022
- Launched a weather app using HTML/CSS + JS. Includes an animated background with a card dashboard design.

## VOLUNTEER EXPERIENCE

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- 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

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- 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