

Billy Pak Lam Lee

<https://github.com/pl3lee>

Email : pl3lee@uwaterloo.ca

Mobile : +1(437)224-6179

Address: 57 Russell Hill Road, Markham, Ontario, Canada L6C 2M5

CAREER OBJECTIVES

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EDUCATION

- **University of Waterloo** Ontario, Canada
Honours Bachelor of Mathematics - Second Year *Sep. 2020 – Present*
 - Cumulative GPA: 88.07
 - Relevant Courses: Object-Oriented Software Development, Data Types and Structures, Designing Functional Programs, Elementary Algorithm Design and Data Abstraction, Logic and Computation, Introduction to Computers and Computer Systems
- **Niagara Christian Collegiate** Ontario, Canada
Class of 2020; Cumulative Average: 94 *Sep. 2018 – June. 2020*

PROJECTS

- **Sudoku Solver - Python** Implemented using the backtracking algorithm.
- **Watcard Transactions and Balance Checker - Python** Scraped Watcard transactions and balances using Selenium, then used matplotlib to create a frequency graph for the transactions.
- **Connect-X Game - Python** A variation of the Connect-4 game, but with customizable board size and win condition.
- **Calculator - HTML/CSS/JavaScript** Created a basic calculator webpage.
- **Etch A Sketch - HTML/CSS/JavaScript** Created an Etch A Sketch webpage that lets the user draw whatever they want.

EXPERIENCE

- **Hanabusa Real Estate Agency** Japan (Remote)
Data Entry Automator *Sep 2020 - Sep 2021*
 - **Web Scraping and Data Entry Automation, Residential Properties**
 - * Extracted residential property information and images from a Japanese real estate website (homes.co.jp) using BeautifulSoup4 and entered them into the company website (hanabusa-realty.com) using Selenium in Python.
 - * Saved up to 60 hours of manual labor per month.
 - **Web Scraping, Investment Properties**
 - * Extracted investment property information from a Japanese investment property website (system.reins.jp).
 - * Wrote a Python script that converted PDF files (Information taken from the website) into HTML files. Then, Selenium was used to select essential property information (over 30 fields) from the HTML file.
 - * Saved up to 60 hours per month when compared to manually extracting information.
- **Walmart** Ontario, Canada
Meat Associate (Part Time) *Jun 2021 - Aug 2021*
 - **Meat Stocking**
 - * Responsible for stocking and rotating meat products on product shelves.

SKILLS

- **Programming Languages:** Python, Javascript, C++, C, Bash, HTML, CSS, Ruby, R, MIPS Assembly, Racket, LaTeX
- **Technologies and Tools:** Selenium, BeautifulSoup4, Git, Adobe Photoshop, Adobe Premiere, MS Office Suite
- **Hobbies and Interests:** Keyboard Building, USB 2.0 Cable Soldering, Badminton, Japanese Culture