

Billy Pak Lam Lee

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EXPERIENCE

- **Hanabusa Japan Real Estate** 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.

PROJECTS

- **CV Generator - HTML/CSS/JavaScript(React)** Created a webpage that generates a CV using React.
- **Memory Game - HTML/CSS/JavaScript(React)** Created a web based game that trains your memory using React.
- **Battleship - HTML/CSS/JavaScript(React)** Created a Battleship game using React.
- **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.

EDUCATION

- **University of Waterloo** Ontario, Canada
 - Honours Bachelor of Mathematics - Third Year* *Sep. 2020 - Aug. 2024*
 - Cumulative GPA: 3.9/4.0
 - Double Major: Computational Mathematics and Combinatorics & Optimization
 - Minor: Computer Science

SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, C++, C, Bash, HTML, CSS, SQL, Ruby, R, MIPS Assembly, Racket, LaTeX
- **Technologies/Frameworks:** React, Redux Toolkit, Firebase, Selenium, BeautifulSoup4, Git, npm, Webpack, Linux/Unix, Adobe Photoshop, MS Office Suite