

# JIMMY LUC

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## Education

### University of Toronto

Sept 2019 – May 2024

*Honours Bachelor of Science | Computer Science Major, Mathematics & Statistics Minor*

*Mississauga, ON*

### Relevant Coursework

- Computer Organization
- Systems Programming
- Software Design
- Software Tools
- Operating Systems
- Data Structures
- Statistical Analysis
- Computer Science

## Technical Skills

**Languages:** Python, Java, C, SQL

**Web Technologies:** HTML5, CSS3, JavaScript, AJAX, PostgreSQL

**Frameworks:** Django, CSS Bootstrap, JQuery

## Internships

### SingleKey

May 2022–Sept 2023

*Junior Software Engineer*

*Toronto, ON*

- Collaborated in the development of a Django-based web application providing renting solutions for landlords and tenants with 600k+ active users.
- Designed and developed a robust two-factor authentication system, enforcing standard security measures and safeguarding sensitive data.
- Spearheaded the API integration and development of an electronic lease signing feature, enhancing operational efficiency and modernizing user interactions.

## Projects

### Treemap Visualization with File Systems | *Python, OS library, Pygame*

- Developed an interactive program that generates a treemap visualization of file sizes in a hierarchical file system.
- Applied the OS Module to effectively operate system files, analyzed and parsed JSON data, utilized the Pygame library to display an interactive GUI depicting geometric block file hierarchy.
- Implemented real-time functionalities including: inserting, deleting, and modifying files; manipulating file size; opening and closing directories.
- Exercised the fundamentals of object-oriented programming including: recursion, inheritance, and abstraction to examine and produce visual information.

### Distribution Service Simulation | *Java, IntelliJ, Scrum, Agile, Git*

- Simulated a sample distribution service including features such as a marketplace for vendors, user account creation, administrative services, and credit systems.
- Collaborated with teammates utilizing a scrum framework and agile methodologies to organize a product backlog for task distribution and management.
- Incorporated various design patterns including Singleton, Factory, and Model-View-Controller (MVC) to connect the relationships between several components.
- Utilized git version control system to handle conflict and further centralize an effective workspace.

## Experience

### Fortinos

Dec 2018 – Sept 2019

*Grocery Clerk*

*Burlington, ON*

- Supported senior colleagues by delivering and completing tasks to further optimize sales.
- Developed excellent customer service and communication skills.
- Performed merchandise control, supervised and maintained various duties around the grocery sections.

## Extracurricular

### Volleyball Intramural

Spring 2021 – Present

*Outside Hitter*

*University of Toronto Mississauga*

- Excelled in intramural volleyball as an outside hitter, contributing to team success with powerful plays.
- Fostered teamwork through effective communication and initiative, aiding in game preparations.
- Took a leadership role by organizing practices and making critical in-game decisions, enhancing team performance.