

Kathy Lee

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🌱 Skills

Languages Java, Python, C, C#, HTML, CSS, JavaScript, Visual Basic, R
Software & Tools Git, React, Node.js, Redux, Android Studio, Visual Studio, IntelliJ IDEA, LaTeX, Figma

📖 Education

University of Toronto Sep 2020 – May 2025
Computer Science Specialist B.S.

Coursework: Foundations of Computer Science, Calculus with Proofs, Probability, Statistics and Data Analysis, Software Design, Software Tools and Systems Programming, Computer Organization, Data Structures and Analysis

👜 Experience

Toronto Transit Commission (TTC) May 2022 – August 2022
Software Developer, Internship

- ★ Developed algorithms in **C#** that updates employee user profiles and generates employee report on **SharePoint**
- ★ Configured technical support chat-bot using **Power Virtual Agents**, which assists users with general inquiries
- ★ Direct and perform troubleshooting for employees with **technological inquiries and issues**

Montcrest School Sep 2019 – Aug 2021
Information Technology Analyst

- ★ Managed 8 subscription-based education programs, student database, and device management system
- ★ Offloaded and onboarded over **300 student and staff devices** through remote access platforms
- ★ Assisted staff with **technological inquiries** and troubleshooted **hardware, software, and network issues**

💡 Projects

🌐 **Plannr** Sep 2021 – Dec 2021

- ★ Developed an **Android** program in Java that helps university students coordinate their everyday routine
- ★ Designed and authored over **10 front-end Android activities** for GUI, prioritizing user experience
- ★ Refactored major part of application user interface functions, improving app efficiency by **45%**

🌐 **Look and Cook** Apr 2021 – May 2021

- ★ Built a desktop application in **Python** and **PyQt5**, suggesting recipes from a dataset of over **12,000** recipes
- ★ Wrote sorting algorithm that sorts recipes based on the match rate with the user's available ingredients
- ★ Implemented an auto-complete support to the application interface that optimizes user flow speed by **30%**

🌐 **Effects of Greenhouse Gases in Canada** Nov 2020 – Dec 2020

- ★ Created a desktop application in **Python** that visualizes the effects of greenhouse gases in Canada
- ★ Authored GUI using **tkinter**; used **plotly** to graph carbon dioxide and temperature data over **30 years**
- ★ Implemented interactive map to visualize how emissions affect provinces in temperature fluctuations

🌟 Extracurricular Activities

Women in Computer Science, University of Toronto Sep 2021 – Present
Graphic Designer

- ★ Define **brand identity** and design **visual graphics** for social media and website, increasing engagement by 15%
- ★ Communicate design ideas and conceptualize **visual imagery, functionalities and features** for club website

Chung Tak Temple Jan 2018 – Aug 2021
Children Program Instructor

- ★ Prepare, co-ordinate and deliver educational team activities for **children's group (ages 3-12) on a weekly basis**
- ★ Manage conflicts and incidents in acknowledging the child's needs and communicating with caregivers