

Chloe Lam

604-803-1708 | chloelam2407@gmail.com | chloelam.ca | linkedin.com/in/chloe-lam-2407 | github.com/chloe2407

EDUCATION

University of Toronto

Toronto, ON

Honours Bachelor of Science in Computer Science, Minor in Statistics and Mathematics

Expected 05/2025

Related Coursework: Intro to Machine Learning; Intro to Artificial Intelligence; Operating Systems; Algorithm Design, Analysis & Complexity; Data Structures and Analysis; Software Design; Programming on the Web; Probability with Computer Applications; Calculus with Proofs; Linear Algebra; Intro to Theory Computation; Methods of Data Analysis

EXPERIENCE

Fullstack Developer

05/2023 – 08/2023

Provincial Health Services Authority (BC Renal)

Vancouver, BC

- Developed a new **Flutter** application that enhanced patient treatment by 30%, utilizing **Firestore** and **OAuth** for efficient data storage and retrieval and greater user security. The app's structure adheres to **SOLID Design Principles** and **Clean Architecture**, allowing for future scalability.
- Created comprehensive documentation in **Confluence** for the application and delivered a presentation to a large development team, effectively communicating complex technical concepts to future developers. This resulted in a 20% decrease in onboarding time for new team members.

Software Developer

09/2022 – 12/2022

UofTinder (University of Toronto)

Toronto, ON

- Mapped out the project layout using **CRC cards** and applied **SOLID Design Principles** and **Clean Architecture Model**, resulting in a 20% reduction in code complexity and improved maintainability.
- Implemented View screen code interactions using the **Model View Presenter (MVP)** design pattern, resulting in a 30% increase in user engagement and smoother navigation.
- Wrote comprehensive unit tests for the **Android User Interface**, **Firestore database**, and backend computations, achieving a 95% code coverage and ensuring the reliability and stability of the application.

Web Developer

07/2022 – 06/2023

University College Literary and Athletic Society (University of Toronto)

Toronto, ON

- Maintained and updated organization's event and announcement databases on the website via **VS Code** and **Git**, ensuring 100% accuracy and timely updates for members and visitors.
- Explored opportunities to enhance website accessibility and visual appeal through redesign initiatives, resulting in a 20% increase in user engagement.

Front End Web Developer

06/2020 – 09/2020

CodeCa

Vancouver, BC

- Built 5+ webpages using **HTML**, **CSS**, and **ReactJS**, following **Figma** designs, effectively showcasing company activities and increasing user engagement.
- Utilized **Agile** structure to provide biweekly updates and gather feedback in team meetings, resulting in a 20% improvement in the company's image and responsiveness to user needs.

PROJECTS

UniPlanit | *ReactJS, Github, Visual Studio Code*

05/2022 – 07/2022

- Developed a **MERN stack** web application with a team of four students, facilitating the creation of custom timetables for university students.
- Led weekly progress meetings, ensuring effective communication among team members and timely updates on project milestones, resulting in the successful delivery of the project within the designated timeline.

Petudier | *Javascript, HTML, CSS, Github*

06/2022

- Designed and developed a productivity-enhancing Google Extension in collaboration with two other students, enabling users to block distracting websites during study sessions, fostering self-improvement and effective time management within a tight deadline of 24 hours.

r/HowCovidImpactsMentalHealth | *Python, Pandas, NumPy, Matplotlib, Scikit-learn*

09/2021 – 12/2021

- Collaborated with a team of three students to conduct an analysis of the impact of COVID-19 on mental health through social media data, utilizing data visualization techniques to graphically represent the findings.

TECHNICAL SKILLS

Languages and Tools: ReactJS, HTML, CSS, JavaScript, Java, Python, C, R, Dart, Flutter, SQL, Git, Github, Gitlab, VS Code, Visual Studio, PyCharm, IntelliJ, Android Studio, Jupyter, Firebase, Firestore, Jira, Confluence, OAuth, pandas, NumPy, Matplotlib, SSH, JSON, XML, Figma, Adobe XD, Canva