

Chloe Lam

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EDUCATION

University of Toronto

Toronto, ON

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

Sept. 2021 – Present

Related Coursework: Intro to ML, Operating Systems, Data Structures and Analysis, Software Design, Software Tools and System Programming, Probability with Computer Applications, Calculus with Proofs, Advanced Calculus, Linear Algebra I, Computer Organization, Intro to Theory Computation, Methods of Data Analysis I

EXPERIENCE

Software Developer

May 2023 – August 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

Sep. 2022 – Dec. 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 Coordinator

July 2022 – June 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.

Web Developer

June. 2020 – Sept. 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*

May 2022 – July 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*

June 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*

Sept. 2021 – Dec. 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, Git, Github, Gitlab, VS Code, Visual Studio, PyCharm, IntelliJ, Android Studio, Jupyter, Firebase, Firestore, Jira, Confluence, OAuth, pandas, NumPy, Matplotlib, SSH, Figma, Adobe XD, Canva