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*

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 Firebase for efficient data storage and retrieval. The app's structure adheres to SOLID Design Principles and Clean Architecture, allowing for future scalability.
- Created comprehensive documentation 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 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, Firebase 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, 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, pandas, NumPy, Matplotlib, SSH, Figma, Adobe XD, Canva