Peter Chow

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EDUCATION

University of Toronto Scarborough — Toronto, ON
Honours Bachelor of Science: Co-op Computer Science Specialist Program; GPA: 3.6 — *Sept. 2020 - Present*
- **Specialization**: Software Engineering Stream
- **Award**: Dean's List 2020-2021, Dean's List 2021-2022, Entrance Scholarship
- **Clubs**: Vice President of Tech of Web3 at the UofT Scarborough (W3B), Computer Science Enrichment Club (CSEC), UofT League of Legends Association, The Association of Mathematical and Computer Science Students (AMACSS)
- **Relevant Courses**: Systems Programming, Software Design, Analysis of Data Structures & Algorithms, Linear Algebra, Multivariable Calculus, Computer Organization, Operating Systems, Computability and Computational Complexity

SKILLS SUMMARY

- **Languages**: JavaScript, C, Python, Java, HTML/CSS, SQL, C#
- **Frameworks**: ReactJS, NodeJS, Express, Redux, Redux-Saga, ChakraUI, NextJS, Tailwind CSS, Flask, Flutter, SocketIO, Selenium, Puppeteer
- **Tools**: Git, Unity, Android Studio, Docker, SSIS, SSRS, Jira, Jenkins
- **Platforms**: Linux, MacOS, IOS, Android, Firebase, Supabase, Google Cloud, AWS Lambda, DigitalOcean Droplets, Nginx, Heroku
- **Databases**: Neo4J, MongoDB, Microsoft SQL Server, SQLite

EXPERIENCE

Full Stack Developer Intern
SS&C Technologies - Toronto, ON — *Sept. 2022 - April 2023*
- Developed several full stack internal ReactJS applications and deployed services into production that are used by the company.
- Worked on several back-end tasks (Microsoft SQL server, SSIS, SSRS) such as data migration/changes, creating SQL server jobs, and making stored procedures.
- Worked on restoring the Jenkins CI/CD pipeline along with writing Jest unit tests and automated end to end testing with Puppeteer.

Web Developer Intern
Bless Asia - Hong Kong, HK — *June 2020 - Sept. 2020*
- Developed a website for an art exhibition for a client which is coded using HTML, CSS, and Javascript.
- Gained hands-on experience with database technology using Google's Firebase and integrating it with the websites, replacing the need to buy a server, that led to a cost savings of $4,000 CAD.

High School Private Tutor
Hong Kong, HK — *June 2017 - Sept. 2020*
- Tutored high school students as a Teacher Assistant on AP calculus AB/BC, resulting in a majority of students getting a 5 (the highest grade in the AP curriculum) on the exam.
- Taught several topics in AP Calculus AB/BC, AP Statistics, and AP Chemistry resulting in several parent's satisfaction.

PROJECTS

- **Vectre - Web3 Social Media Platform**: Constructed a full stack web application built with ReactJS, Redux, Express for a social media platform centered on the Web3 community.

- **Grüber - Grocery Delivery App**: Used Android Studio to develop the front end and Firebase for the backend of a grocery delivery Android application. Worked together with teammates and employed the scrum software development method in order to increase productivity and accountability.

- **DocFer**: Developed DocFer, a web app facilitating document and message transfers between devices via browser. Features include reliability, anonymity, and free usage. Utilized WebSocket protocol and Socket.IO for client-server communication, hosted on Digital Ocean with Nginx as a reverse proxy.

- **SoQuo**: Constructed SoQuo, an innovative platform designed to promote sustainable solar solutions, specifically for the RBC Innovation Challenge. Advanced to the finalist stage and won first place in SIG Venture.

- **PixelBoi: The Game**: Created a 2D adventure platform game using object-oriented programming principles and the C# monobehaviour API from the Unity game engine. Integrated PlayFab, a backend database owned by Microsoft, for the game that stores information on the leaderboards.

- **PassVault**: Designed and developed an IOS/Android app that can manage and store passwords locally using the Flutter SDK and integrated a password strength checker and a secure password generator. As passwords are stored locally, users do not have to worry about their data being stored elsewhere.

VOLUNTEER WORK

Summer Learning Program Coordinator
Victory Avenue Swatow Baptist Church, Hong Kong — *July 2014 - Aug. 2019*
- Coordinated play-based learning activities for children.
- Initiated an annual month-long tutoring program, enhancing children's academic skills and boosting their confidence.