Edward Chong

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EDUCATION

University of British Columbia   Vancouver, BC
B.Sc. Major in Computer Science, Minor in Commerce, Year 4   *Graduating May 2025*
- GPA: 4.20/4.33
- **Awards:** - Science Scholar ($> 90\%$ average), Dean's Honour List, Dean of Science Scholarship

EXPERIENCE

Web Support Specialist   Jan 2022 - Aug 2022
University of British Columbia   *Vancouver, BC*
- Developed and debugged websites built on the Drupal CMS using **JavaScript, CSS** on the front-end and **PHP** on the back-end
- Designed and implemented a CLI that utilised **SSH and SFTP** protocols to reduce configuration file management time from **3 minutes to 3 seconds**
- **Mentored** a junior team member and provided guidance for team best practices and problem solving
- **Exceeded expectations** by developing an additional project using **Node.js and bash scripts** to help resolve configuration version control issues quickly, **reducing time spent by over 75%**

Software Engineer   Nov. 2020 – Present
Self-employed   *Vancouver, BC*
- Identified software-related needs and improvements to small business' data systems
- Developed a full-stack web application using **React and Firebase** for the automation of appointment booking processes
- Developed a spreadsheet extension using **JavaScript** and the **Shopify REST API** to **reduce order data processing time by 80%**
- **Worked closely with clients** to solicit feedback about features, design, and functionality
- Utilised **Agile** software development processes to track progress and manage time

PROJECTS

Options Exchange Simluator | *C++*   Mar 2023 – Present
- Developed an application to simulate a financial derivatives exchange with orders sent via **binary messages over TCP**
- Used the **CMake** build system to streamline building process
- Implemented a **mathematical model** to accurately price financial derivatives (Black-Scholes model)
- Used **multithreading** in C++ to handle multiple TCP connections for a single server

GitGoin' | *Node.js, React, Google Cloud NLP, GitHub REST API*   Jan 2023
- Developed a web application to help new and experienced developers find open-source projects to contribute to
- Constructed a **Node.js REST API** to handle HTTP requests from the front-end client
- Utilised **machine learning technologies** (Google Cloud Natural Language API) to analyze GitHub user profile Data
- Used **GitHub's REST API** to make search queries on open issues based on keyword/entity analysis from Google Cloud NLP
- Designed and implemented the front-end using **React + Chakra UI** component library

TECHNICAL SKILLS

Languages: C/C++, JavaScript, TypeScript, Java, Go, Python, PHP, SQL, R
Web Technologies: React, Node.js, Mocha, JUnit, Drupal, Vue.js, Firebase
Developer Tools: CMake, Docker, Vim, Google Cloud Platform, VS Code
Libraries: pandas, NumPy, sklearn