Christopher Hadrian Wong

236-869-2305 | chrishadrianwong@gmail.com | linkedin.com/in/chrishdwong | github.com/chrishadrian

EDUCATION

University of British Columbia — Vancouver, BC
Bachelor of Science in Computer Science — *Sep. 2020 – May 2025*

- **Coursework**: Advanced Software Engineering, Intermediate Algorithm Design and Analysis, Advanced Relational Databases, Distributed System, Parallel Computation, ML and Data Mining, Computer Hardware and OS
- **Vantage One Entrance Award**: Granted based on academic merit

WORK EXPERIENCE

Software Developer Co-op — Sep 2022 – Aug 2023
Alida — *Vancouver, BC*

- Developed a **scalable ETL tool from scratch** using **Go**, **PostgreSQL**, **AWS**, and **Kibana**, transforming different survey platform data into a unified EAV model within a data warehouse, significantly improving data accessibility and reducing processing time for downstream analytics
- Built a data catalog **API** with **Go** and **Go-chi**, streamlining data retrieval for analytics teams through parameterized **RESTful endpoints**, eliminating the need for manual database queries
- Designed and implemented a RESTful sentiment analysis API pipeline, leveraging **Go**, **AWS** and **PostgreSQL** to enable **large language model (LLM)** processing of survey responses; collaborated with the analytics team to establish clear input/output standards, performing **end-to-end** API and **system design**

Software Developer Intern — May 2022 – Aug 2022
Felix Payment Systems — *Vancouver, BC*

- Developed a responsive client portal **web app** using **React**, **Typescript**, **Express**, and **PostgreSQL**, ensuring a modular, consistent design system and cross-browser compatibility
- Configured **Bitbucket Pipelines** to automate CI/CD workflows, integrated unit testing with **Mocha** and **Chai**, and utilized **Docker** for local development and testing to streamline the development cycle
- Developed a **tap-to-phone payment mobile application** with **QT Creator**, adapting to new tools and processes while delivering a functional and user-friendly product

LEADERSHIP EXPERIENCE

Web Development Lead — Oct 2022 – May 2024
Gado-Gado Indonesian Student Association of UBC — *Vancouver, BC*

- Led a team to design and develop a student association website using **React**, **Tailwind CSS**, **Google Firestore**, and **Netlify**, resulting in a **146.8%** increase in traffic, reaching 2,**700** visits in one year.
- Designed and implemented a gamified Pomodoro timer with **React**, **Express**, **Auth0**, and **Google Firebase** to boost user engagement and loyalty through reward points redeemable for club's merchandise and event tickets
- Developed a polling tool for eliminating the need for manual validity checking during the club's annual election with **React** and **Google Firestore**, successfully managed **80** responses and provided real-time data upon completion
- Conducted bi-weekly internal meetings to discuss the **software development life cycle** using **JIRA**, **Confluence**, and **GitHub**, and attended general meetings to provide updates on the team's progress

PROJECTS

FridgeBot | *Next.js, React, Typescript, PostgreSQL, GPT-4* — Aug 2024 – Current
- Developed a full-stack web app to track fridge inventory and suggest recipes based on grocery receipt parsing
- Integrated GPT-4 for dynamic recipe recommendations to minimize food waste.

Recipe Buddy | *React, Firebase Firestore, Auth0* — Aug 2023 – Sep 2023
- Developed a web application for organizing video recipes from platforms like Instagram and TikTok, providing users with easy access to tutorial videos, ingredient lists, and instructions

Unixpense | *Java, JUnit, Swing, UML Diagram* — Sep 2021 – Dec 2021
- Built an expense tracker app with **object-oriented design** to manage and analyze expenses

TECHNICAL SKILLS

Languages: Go, JavaScript, TypeScript, Python, SQL, C++, Java
Databases: PostgreSQL, Google Firestore, Microsoft SQL Server, SQLite
Technologies: React/Redux, Express, Koa, Docker, Git, Jira, AWS, Kibana, Auth0