

CHRISTOPHER HADRIAN WONG

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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

WORK EXPERIENCE

Software Developer Co-op, Alida Sep 2022 – Aug 2023

- Developed a data ETL tool using **Go**, **PostgreSQL**, **AWS SQS**, and **Kibana** to extract and transform data from multiple sources into an EAV data model, and load it to a data warehouse
- Constructed a data catalog API with **Go**, **Go-chi** to provide a simple and efficient way to retrieve data and metadata from the EAV model data warehouse
- Designed and implemented a robust API endpoint in **Go** utilizing **Go-chi**, **AWS SQS**, and **PostgreSQL** to enable data sentiment analysis using a sophisticated **large language model (LLM)**
- Implemented table-driven unit and integration tests with a generic test framework to ensure quality and maintainability of the ETL tool

Software Developer Intern, Felix Payment Systems May 2022 – Aug 2022

- Developed onboarding and registration features for a client portal website according to its UI design prototype with **React**, **Typescript**, **Node.js**, **Express**, and **SQL Server**
- Configured CI/CD Pipeline for the client portal's codebase by setting up **Bitbucket Pipeline**, including writing unit tests with **Mocha** and **Chai**
- Assisted the development and design of a tap-to-phone payment mobile application with **QT Creator** by adhering to Figma mock-ups and business logics

LEADERSHIP EXPERIENCE

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

- Led a team to design and develop a student association website (www.gisaubc.com) using **React**, **Google Firestore**, and **Netlify**. Increased traffic by 146.8% to 2,700 visits
- 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, enhancing organizational communication and collaboration
- Developed a gamified Pomodoro timer with **React**, **Express**, **Node**, **Auth0**, and **Firebase**, boosting user engagement and loyalty through reward points redeemable for club's merchandise and event tickets
- Developed an online polling tool with **React** and **Google Firestore** for the club's annual election, eliminating the need for manual validity checking. Successfully managed 80 responses and provided real-time data upon completion

PROJECTS

Recipe Buddy | <https://github.com/chrishadrian/recipe-buddy> 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.
- Implemented a meal planning feature with calendar integration, automatically generating shopping lists based on scheduled recipes to streamline the cooking process.
- Utilized **ReactJS** for the front-end, with **Auth0** for user authentication and **Firebase Firestore** for secure data storage and management.

Indeed Jobs Scraper | <https://github.com/chrishadrian/jobs-webscraping> Feb 2022 – Apr 2022

- Developed a web scraping script with **Python**, **BeautifulSoup4**, and **SQLite** to extract job listings and their descriptions from Indeed to automate job search

Unixpense | <https://github.com/chrishadrian/Unixpense> Sep 2021 – Dec 2021

- Developed an expense tracker desktop application with **Java**, **JUnit**, and **Swing** that allows users to create, delete, save, load, and analyze their expenses

EDUCATION & AWARDS

University of British Columbia, Vancouver Sep 2020 – May 2025

3rd Year Bachelor of Science, Computer Science Major

- Coursework:** Applied Machine Learning, Computer Hardware and Operating Systems, Intro to Computer Networking, Intro to Relational Databases, Intro to Software Engineering, Intermediate Algorithm Design and Analysis
- Vantage One Entrance Award:** Granted based on academic merit