Ben Vinnick

Computer Science Student

UBC Science Co-op

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EXPERIENCE

THINKWELL STUDIO MONTRÉAL | Software Developer (Co-op)
July 2022 – April 2023 | Vancouver, Canada (Hybrid)

- → Implemented various features and functionalities for the Front-end and Back-end components of the GCP deployed and managed Feltboard Platform
- → Researched and implemented an image resize proxy using Docker and Nginx and configured it for deployment with GKE
- → Worked closely with Vue.js, Apollo GraphQL, Mongo, Express, and a variety of cloud services within GCP such as Cloud Storage, IoT Core, GKE, and Pub/Sub
- → Reached 100% coverage when implementing tests for a YAML validation feature
- → Presented features to the team as well as outside shareholders through forms such as tech-briefs and virtual presentations
- → Collaborated with Product Designers, a QA Developer, a Software Architect, and other Software Developers in an Agile environment

UNIVERSITY OF BRITISH COLUMBIA | Teaching Assistant
Sept 2021 – Dec 2022 | Vancouver, Canada

- → Coordinated weekly labs of 30 students through effective communication with professors and other TAs, receiving perfect evaluations from over 80% of students in categories such as preparedness and teaching ability
- → Independently conducted weekly office hours to help students with introductory programming concepts using Racket

PROJECTS

ARE YOU TAKING | TypeScript/JavaScript, Node/Express, PostgreSQL, Next, Heroku 🐙
Aug 2021 - July 2022

- → Collaborated to create a full stack web application that lets UBC students compare their course schedules
- → Implemented Dynamic Routing on the Front-end with Next to allow for the creation and use of many shared calendars

SPORTS MACROS ⤴ | TypeScript, HTML/CSS, AWS 🐙
Oct 2021 - Present

- → Independently created a web application that automatically generates macros for media captioning and is used every Vancouver Canucks home game by professional NHL photographers

SAME HERE | JavaScript, Node/Express, PostgreSQL, React, Redux Toolkit, Heroku 🐙
Aug 2021 - Dec 2021

- → Independently developed a full stack web application to provide a specialized support platform for users with schizophrenia
- → Technical features include email verification, routing, authentication, and authorization with JWT tokens

UFC WORLD | Java, Swing, JUnit 🐙
Jan 2021 - May 2021

- → Independently designed a desktop application using Object-oriented design practices, Test-driven development, and local persistent storage with JSON

SKILLS

LANGUAGES:

TypeScript/JavaScript • Java Go • Python • C • C++ GraphQL • SQL

FRONT-END:

Vue • React • Apollo Client HTML/CSS • Vuetify Bootstrap • Redux Toolkit

BACK-END:

Apollo Server • Node/Express PostgreSQL • MongoDB

TOOLS/ENVIRONMENTS

Docker • Kubernetes • Linux Unity • Git • Nginx • Jenkins Latex • Neovim

CLOUD PROVIDERS

GCP • AWS • Heroku

TESTING

Mocha • JUnit • Jest • LLDB Valgrind

EDUCATION

UNIVERSITY OF BRITISH COLUMBIA
Bachelor of Computer Science
Sept 2019 - 2025 | Vancouver, BC
Faculty of Science
Cum. GPA: **84% / A-
Dean's Honour List**
(2019-2021)

HACKATHONS

- Cuse Hacks (2022)
- Hack the 6ix, CockroachDB Sponser Prize (2021)

EXTRACURRICULARS

- WKC Continous Sparring Kickboxing (2022)
- UBC Todd Ice Hockey League, Tier 1, Three Time Winners (Intramurals)