

Nicolaas Kouwenhoven

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EDUCATION

University of British Columbia

Bachelor of Science in Computer Science - 3.7 GPA

Kelowna, BC

Sept. 2022 – December 2025

Okanagan College

Associate's in Business Administration - 3.6 GPA

Kelowna, BC

Sept. 2019 – June 2022

PROJECTS

Online Family Recipe Book | [Github](#) [Live Link](#)

January 2025

- Developed and deployed a full-stack web application using **React, Go, and MongoDB**, hosted on **Vercel and Google Cloud Run**
- Implemented a clean user interface for **mobile and desktop** browsing, with all UI elements incorporating fundamental **Human-Computer Interaction** techniques learned at UBC
- Implemented a **REST API** using the Go standard library to handle all CRUD functionality, utilizing **hexagonal architecture** for the structure of the API

GradeIT OMR | [Github](#)

May 2024 – August 2024

- Developed a full-stack web application using **ExpressJS, React and PostgreSQL**, utilizing CRUD for course management software
- Implemented automatic marking using image processing via a **Flask** REST API micro-service, achieving **99% accuracy** using the openCV library
- Utilized **Github** for team collaboration, **Docker** for containerization, and DroneCI for our CI/CD pipeline, and **Jest** for automated unit tests
- Followed **Agile** methodologies, using **Kanban** for project management via Github's built-in Kanban board

DromedaryDromedaryDromedary | *Linux, Apache, MySQL, PHP*

January 2024 – May 2024

- Developed a full-stack web application using **PHP and MySQL**, storing data fetched from a free web API to display products to users
- Implemented **clickstream analysis** of products to display a separate page of 'Hot Items' to the user
- Developed an admin panel that showed the current inventory of goods, user statistics, and allowed for the creation / deletion of items from the store
- Handled **website deployment on real servers** using SSH to deploy our site using **Git**

EXPERIENCE

Web Developer

July 2024 – September 2024

JACs On The Beach

Peachland, BC

- Created and maintained a responsive website, resulting in over **6,000** visits and improved online visibility for a local restaurant
- Worked closely with the client, conducting regular consultations to implement timely updates and align the website's content and design with evolving business goals

Front End Manager

April 2015 – August 2019

Beach Avenue Cafe

Peachland, BC

- **Expanded order entry from a single iPad to a central server running multiple iPads** to increase server efficiency in busy months, utilizing a mini PC to expand operational capacity
- Oversaw all front-end operations, including staffing, inventory management, cash reconciliation, and restaurant opening and closing procedures, ensuring smooth and efficient daily workflows
- Demonstrated strong interpersonal skills in a fast-paced environment by managing customer feedback, addressing staff concerns, and fostering a collaborative team culture

TECHNICAL SKILLS

Languages: Javascript, Python, Java, SQL (Postgres / MySQL), HTML/CSS, R

Frameworks: React, Node.js, Flask, Next.js

Developer Tools: Git, Github, Docker, DroneCI, VS Code, Postman, XAMPP

Libraries: python-opencv, jwt, matplotlib