

# 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*

## EXPERIENCE

### Web Developer

July 2024 – September 2024

*JACs On The Beach*

*Peachland, BC*

- Managed the complete maintenance of a dynamic website for a newly launched local restaurant, supporting a business owner in establishing an impactful online presence
- Successfully handled over **6,000 visits** within the short duration, optimizing user experience and website performance to meet high visitor demand
- 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

## PROJECTS

### GradeIT OMR | *PostgreSQL, Express, React, Python, Flask, Docker*

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** 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**

### Government of Canada Water Level Monitor | *MySQL, Express, React*

January 2024 – May 2024

- Developed a full-stack web application using **React, Express and MySQL** to pull data from a Government of Canada API
- Handled the backend querying and formatting of data from the API to be displayed using visualizations created with Chart.js
- Utilized **Github** for project collaboration, **Mocha** for backend testing

## 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