COLIN GROB
3RD YEAR COMPUTER SCIENCE

☎ 250-689-0183 | ✉ colin.grob87@gmail.com

EDUCATION

University of British Columbia — Vancouver, BC
Bachelor of Science, Major in Computer Science, Minor in Psychology — *Sept 2021 – April 2025*
Relevant Course Work: Software Construction | Basic Algorithms and Data Structures | Computer Hardware and Operating Systems | Introduction to Software Engineering | Intermediate Algorithm Design and Analysis | Machine Learning and Data Mining | Computer Vision

SKILLS

Languages: Proficient: *Java* | *Python* | *JavaScript* | *Typescript, SQL (Postgres, Mysql)* | *HTML/CSS*, Familiar: *C* | *C++* | *LaTex*
Frameworks: *React (JS, Native)* | *NodeJS* | *ExpressJS* | *NextJS* | *Flask* | *Docker* | *Django* | *JUnit* | *Ionic* | *Scikit-learn* | *Tensorflow* | *Keras*
Developer Tools: *Git* | *Linux(AWS, DigitalOcean)* | *VS Code* | *Visual Studio* | *IntelliJ* | *Eclipse*

WORK EXPERIENCE

Bread & Butter IO — June 2022 – Aug 2022
QA Analyst — *Vancouver, BC*
- Acquired experience in both testing and software development. Developed a comprehensive understanding of the product's RESTful API to proficiently test over 100 endpoints using Postman and conduct regression tests for major releases.
- Utilized JIRA to track and document issues and defects during functional, regression, and integration testing on web and mobile applications. Learned how JIRA is used to effectively plan and track high quality software releases.
- Collaborated with other QA analysts and the development team to identify, troubleshoot, and resolve issues, as well as to understand and test newly implemented features.

Sales Associate (1 year) | **Electrical Labourer** (2 years) | **Bartender** (4 months)
- Handled orders for 3 departments as a Sales Associate, totalling 100k in inventory monthly. Trained 2 new staff members
- Managed a team of three as an Electrical Laborer, which required strong leadership and collaborative skills in a dynamic work environment.

SELECT PERSONAL PROJECTS

Neural Times News | *React, NextJS, PostgreSQL, NodeJS, RabbitMQ, Redis, Python, OpenAI, AWS/Linux* — Website
- **Developed a full-stack automated news website** using NextJS and React that delivers unbiased AI-written news stories by using information from news articles from a variety of sources.
- Created a distributed and **scalable** web crawling and news-aggregation **data pipeline** in Python that utilizes machine learning to scrape and analyze news articles from over 100 sources in real-time, clustering the articles into story clusters that are used by an AI writer to create the stories. Deployed using Docker containers and RabbitMQ as a message broker on AWS.
- Implemented a **back-end API** using NodeJS and PostgreSQL for efficient data storage and retrieval. Includes the ability to retrieve news stories based on filters, and to find currently trending topics.

Collective | *React, NextJS, PostgreSQL, Node.js, Express* — July 2022 – Sept 2022
- Co-founded and led the technical development of "Collective," a two-sided job marketplace connecting top web3 companies with job seekers in the field
- **Designed and led the building of the entire platform MVP**, including both frontend and backend, in a fast-paced environment using NextJS, PostgreSQL, and a custom Express backend.
- Drove growth and user adoption, growing the platform to over 300 job-searching users and attracting 20 hiring companies within the first month of launch. Ultimately, successfully negotiated the sale of the user base and codebase.

Mobile App | *React Native, Python, Flask, MySQL, Google Analytics* — Dec 2018 – Dec 2020
- Successfully published, marketed, and maintained a mobile app on the Google Play store that aggregated user-generated content for a popular video game, ultimately acquiring approximately 100,000 downloads to date.
- Utilized Figma to design a visually appealing and user-friendly app interface, resulting in an average rating of 4.4 out of 5 stars within the first two years.
- Implemented the app front-end using the Ionic Framework, later porting it to React Native for improved performance and scalability.
- Developed a custom backend using Python and Flask to efficiently manage and process data for the app.

Hackathons
- UBC BizTech ProducHacks 2022 - Top 5 Finalist
- EthGlobal NFTHacks 2022 - Participant