Kori Huen

korihuen@outlook.com | kori.dev | github.com/korih | www.linkedin.com/in/korihuen/

EDUCATION

University of British Columbia, *BSc in Computer Science* | Vancouver, BC GPA: 3.80 / 4.33 April 2026

Courses: Data Science | Data Structures and Algorithms | Computer Systems | UI/UX Design | Software Construction

EXPERIENCE

Government of Canada, *Software Engineer Intern* | Ottawa, Canada Jan 2024 - Current

- Utilized **Prometheus** and **Grafana** to monitor micro-service logs inside a **Kubernetes** cluster
- Implemented a test-driven development methodology for feature development within **Java**-based micro-services
- Worked with **Kafka** for real-time data processing and streaming pipelining
- Developed and deployed microservices across a **Kubernetes** clusters in production and staging environments
- Created **Python** frameworks and internal tools to automate micro-service and script deployments in **Kubernetes**
- Leveraged **Azure DevOps** to pipeline application deployment

Agrobots, *Web Developer* | Vancouver, Canada Jan 2024 - Current

- Leveraged **React.js** and **Tailwind CSS** to develop a modern and responsive website application ensuring cross-browser compatibility and optimal user experience across desktop and mobile devices
- Implemented backend server logic and database integration using **Node.js**, **Express.js**, and **Supabase**, enabling data storage, retrieval, and manipulation for web applications
- Integrated third-party APIs and services, such as payment gateways, social media platforms, and analytics tools, to enhance website functionality and user experience
- Actively participated in **Agile** methodologies such as sprint planning, daily stand-ups, and retrospectives

PCL Constructors, *Information Technology Intern* | Vancouver, Canada Sept 2023 - Dec 2023

- Used **Bash** scripting to automate tasks and operate remote servers across the BC region
- Handled **Networking** issues, requests, and setup for servers that handled data to employees and projects across BC
- Handled IT technical support to employees throughout BC ensuring high availability and reliability of systems
- Managed security measures such as firewalls, antivirus software, and access controls to protect systems and data from unauthorized access and cyber threats

PROJECTS

Concusave – *UBC Biztech Hackathon* March 2024

- Computer Vision Model that tracks hockey players speeds and determines when high risk collision occur
- Combined **OpenCV** and **Yolov8** track and recognize hockey players on the ice through live camera feeds
- Model used a **Flask** backend to host a website that would interface with the collision detection model and return the result after analysis is complete

Seagull's Nest – *YVR 2024 Hackathon* April 2024

- Real-time machine vision model that pinpoints areas with high traffic or accumulated waste, alerting staff of potential dangers and lost items in real-time
- Tuned a **Yolov4** Model to accurately identify people, airport staff and luggage
- Leveraged **OpenCV** to capture and filter the camera feed from the survielance camera's at the airport
- **Quantized** our model to make it possible to host the entire project off a Raspberry pi through a **SSH** connection

Computer Configuration Website - *School Project* May 2023 - June 2023

- A computer hardware parts database application, allowing users to browse, select, and compare PC components for custom computer builds, ensuring compatibility between component
- Developed a **PHP** website that integrates with an **Oracle** database and built the front-end using **JavaScript**, **HTML**, and **CSS**, using extra technologies such as **Bootstrap** for a user-friendly interface

Raisin Classifyer – *School Project* Jan 2022 - Apr 2022

- Implemented a **K-Nearest Neighbor algorithm** in R, conducting back testing and parameter optimization for optimal prediction accuracy
- Visualized data trends to identify raisin characteristics, patterns, and correlations among different features.
- Developed a raisin classification program with 87% accuracy based on data analysis and machine learning algorithms

SKILLS

Languages	Java, C/C++, Python, JavaScript, Typescript, PHP, HTML/CSS, R
Frameworks	React.js, Express.js, Springboot, Flask
Databases	Oracle, Redis, MongoDB, InfluxDB
Technologies	Git, Node.js, Bash, SSH, Docker, Maven, Kubernetes, Kafka, Grafana, Prometheus, OpenCV, PyTorch
Hosting	Azure, Google Cloud, AWS