

Cole Horvat

Email: ColeHorvat@gmail.com

Website: <https://colehovrat.com/> Location: Vancouver, British Columbia

EDUCATION

Thompson Rivers University

Expected: August 2022

Bachelor of Computer Science, Fourth Year

Relevant coursework: Data Structure, Algorithm Analysis, and Program Design; Web-Based Information Systems; Human-Computer Interaction Design; Mobile Application Development

EMPLOYMENT

Web Developer, Kai Analytics

May 2021 - Present

- Designed and developed the back-end for the Unigrams product page using the Python framework, Flask.
- Integrated APIs for customer relationship management systems, one-time payments, and subscriptions.
- Added tools for ease of development like unit and end-to-end testing, a continuous integration pipeline, and containerization with Docker.

Software Developer (Co-op), XOMBO

June 2020 – April 2021

- Integrated social media GraphQL APIs to authorize users, track user activity, identify attributes of images using image recognition, and display those images.
- Created an item order and subscription system using PHP, MySQL and REST APIs. The system sends out shipments, takes payments, and keeps customers updated on their order's status.
- Trained incoming developers and wrote documentation on architecture and best practices for new employees.

ACTIVITIES

Founding president of the TRUSU Game Development Club

Feb 2019 – Present

Bootcamp instructor at Bit Project

Oct 2020 - Feb 2021

Site organizer for Global Game Jam Kamloops

2020 - 2022

PROJECTS

Lost & Found - Developed a 3-D first-person horror game using Unity over the course of 4 days for Global Game Jam 2021 with two teammates. A designer and an artist. Programmed gameplay, physics, AI, and built three of the levels. Learned many new concepts and techniques using Unity documentation and forums while developing.

Task Timer - Built an Android application that is used to track tasks and record the amount of time you've spent working on them. Made initial design using Figma, then developed the application in Android Studio with SQLite as a local database.

TECHNICAL SKILLS

Languages: Java, C#, C, Python, HTML, CSS, JavaScript, PHP, XML

Frameworks: Next.js, React, Angular, Three.js, Node.js, Flask, TailwindCSS

Databases: MySQL, SQLite, Firebase, MongoDB

Tools: REST, GraphQL, Gunicorn, Nginx, Android Studio, Visual Studio, Unity, Figma, Linux, DigitalOcean, AWS, Azure Serverless, WebSocket