# Joe Walker

LinkedIn | GitHub

Victoria, British Columbia, Canada | 604-999-0845
Jo@gmail.com

## EDUCATION

**University of Victoria**
*B.S. in Computer Science, 3.5 / 4*

Victoria, BC, Canada
*3rd year transfer, Sep 2022 – May 2025*

## EXPERIENCE

**Software Development Engineer Intern**
*Amazon Web Services (AWS)*

May 2023 – Present
*Hybrid / Vancouver, British Columbia, Canada*

- Designing and developing a service that improves cache hit-rates by using an event driven model for cache hydration
- Automating service principles and account generation for AWS resources using Ruby code as infrastructure
- Decoupling dependencies and core services by implementing message-base consumers to poll and process data

**Software Engineer Intern**
*Vidyard*

Jan 2023 – April 2023
*Remote / Kitchener, Ontario, Canada*

- Integrated global components by refactoring unit/integration tests and moving component logic to global module
- Reduced flakiness of E2E testing by fixing race conditions and reducing number of GraphQL queries being made
- Lead investigation of auto-coloring scheme for video modules by researching and demoing CSS scraping libraries

**Major League Hacking (MLH) Fellowship**
*G-research/Meta, Software and Production Engineer Fellowship*

May 2022 – Dec 2022
*Remote*

- Won orientation hackathon by developing a platform for deploying custom portfolio sites using Google cloud
- Added security to applications by using NGINX docker containers to enable https encryption and rate limiting
- Reduced time for deploying changes to an app by 85% using GitHub actions to automate the deployment pipeline

**Computer Lab Monitor & Research Assistant**
*University of the Fraser Valley*

Sep 2021 – February 2022
*Abbotsford, British Columbia, Canada*

- Assisted students with working on Linux computers and printing documents to UFV's printer
- Organized communication between research members while helping to set and manage research goals
- Audited references and verified research paper conformed to APA styling

## PROJECTS

**MediHelp** : Full-stack application that helps users to manage and learn more about their medications

**Courseup** : Contributor to open-source software that helps 20,000 Uvic students schedule their courses

## EXTRA CURRICULARS

**Student Society** : Helped set-up events and handled tickets as a volunteer for the Engineering Student Society

**Competitive Programmer** : Placed first among Uvic teams and 27th overall for ICPC's 2022 Pacific NW regional

## TECHNICAL SKILLS

**Programming Languages** : C, C++, Java, Python, HTML/CSS, JavaScript, TypeScript Bash

**Frameworks & Libraries** : Cypress, Jest, React, Vue, Express/Node.js, JQuery, JUnit, Spring, GraphQL

**Databases & Cloud Tools** : AWS , Heroku, MongoDB, MySQL/MariaDB, Redis, Memcached

**Miscellaneous Tools** : Git, Linux, GitHub Actions, Docker, Eclipse, IntelliJ, Visual Studio Code