

# Cole Adams

Software Developer

✉ cole@cole-adams.ca

☎ (403) 880-8559

🌐 cole-adams

🌐 cole-adams.ca

## Experience

### Software Engineering Intern @ Amazon

May - August 2021 // Remote

- Designed and created an internal self-service web portal using Vue.js and AWS Lambda.
- This tool reduced our team's ticket queue by 16% and decreased the implementation time of critical production updates by, on average, 30 hours.
- Built a continuous deployment pipeline to deploy this tool using AWS Cloud Development Kit (CDK) in Typescript.

### Software Engineering Intern @ Amazon

May - August 2020 // Remote

- Re-designed an internal web-based data visualization tool using Vue.js.
- Sped up the visualization load times by 80% using AWS lambda and AWS S3 pre-signed URLs.
- Engaged with key stakeholders across the company to understand and improve the customer experience.

### Software Engineering Intern @ IHS Markit

May - August 2019 // Calgary, AB

- Used Angular 2 to create the project management page of a new web based data visualization tool.
- Presented key user metrics to product managers by logging user actions to SumoLogic and building interactive dashboards.

### Graduate Research Assistant @ University of Alberta

July - August 2017 // Edmonton, AB

- Worked with the Natural Language Processing research group on the Word Sense Disambiguation (WSD) task.
- Created a Java program to speed up the task of mapping senses from one dictionary to another, giving WSD systems based in one dictionary access to an additional 12 000 test cases.
- Developed Java software to improve the speed of manual sense annotation.

## Education

### BSc in Computer Science, Minor in Math @ University of Calgary

Expected graduation Dec. 2021

- Faculty of Science Dean's List 2018, 2019, and 2020
- Current GPA: 3.91/4

## Projects

### Movie Club - Vue.js + Netlify Functions Web App

A Vue.js fronted personal movie club manager with user accounts, and movie search, deployed to Netlify and stored in FaunaDB.

### Curling PSO - Particle Swarm Optimization Search Algorithm

A Unity based search algorithm that simulates curling shots and approaches the score-maximizing shot given any situation.

### Drawing With Friends - Node.js + Vue.js + MongoDB Web App

A Vue.js website with a live multi-user drawing board, user accounts, rooms, and messaging. Backend built in Node.js and interacts with MongoDB for storage.

## Skills

### Languages

- Typescript
- Javascript
- Java
- HTML/CSS

### Frameworks

- Vue.js
- Angular 2+
- Node.js
- ExpressJS

### Tools

- AWS
- Git
- Figma
- Netlify