

# Andrea Benavides Aguirre

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abenavidesaguirre.github.io

+1 (403) 919 - 4987

## SKILLS

**Programming Languages:** TypeScript, Java, C/C++, HTML5, CSS3, Processing, MIPS Assembly

**Tools & Platforms:** React, Git, SQL, Microsoft Azure, Unix, Windows, Visual Studio Code

**Languages:** English (Native), Spanish (Native), French (Limited Proficiency)

## EDUCATION

### Bachelor of Science in Software Engineering

University of Calgary (Sept 2019 – May 2024)

- Diversity Champions in Engineering Scholarship
- Jason Lang Scholarship
- Microsoft Azure AI Fundamentals Certified
- Schulich School of Engineering Internship Program

## EXPERIENCE

### Seequent – Software Developer Intern

May 2022 – August 2023 (16-months)

- Worked as a key member of the front-end team on a collaborative cloud-based web application for the 3D visualization of geological models using TypeScript and React
- Enhanced user experience by implementing various features, including upgrades to the product's version control, additions to GIS Visualization tool interactions, improved model scene sharing and data exportation for increased productivity
- Took ownership in the development of Cypress end-to-end testing, boosting product stability and team confidence while reducing manual regression testing
- Tackled tech debt to improve code base quality, notably liberating Redux-coupled components for adaptable reuse in other applications.
- Streamlined developer workflows with GitHub Actions automation pipelines and Datadog monitoring notifications.
- Presented a comprehensive 3-month product increment demonstration to a global audience within the company

### Learn To Be – Student Application Coordinator & Volunteer Application Coordinator

August 2020 – August 2022

- Collaborated with a volunteer team to onboard more than 7000 tutors and 5000 students since September 2020 resulting in a 262% increase in monthly tutoring hours
- Recruited, trained, and supervised a team of 5 volunteer application reviewers, increasing monthly application reviews by 617% since February 2021
- Engineered an efficient multi-user application review system, enhancing processing capabilities
- Conducted thorough vetting of student and tutor applications, including background checks and information verification, ensuring alignment with *Learn To Be's* mission

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## **Association for the Advancement of Science & Engineering Education – Program**

### **Preparation Team Lead & Office Administrator**

*February 2020 – October 2021*

- Led the team in preparing education materials for rural schools and minority groups, reaching 131 students in 2020
- Organized an engineering information workshop for 43 high school students, with 47.8% of the participants being part of a minority group in STEM
- Coordinated monthly team meetings, managing documentation and information distribution
- Compiled 10 years of program statistics into visual data representations
- Developed eye-catching graphics for the social media team

## **PROJECTS**

### **Personal Portfolio – TypeScript, React, Chakra UI**

*July 2023*

- Designed and developed a personal website showcasing academic and personal projects, featuring interactive elements
- Highlighted key skills, involvement, and projects to provide a comprehensive digital representation

### **Bulletin – TypeScript, React, Firebase**

*February 2022*

- Collaborated to craft a web application designed for sharable group organization and interaction.
- Designed and implemented front-end features including account administration and the sharing of lists, calendars, and budgeting tools

### **Backyard Travels Local Excursion Company – JavaScript, HTML5, CSS3, React, MySQL**

*December 2021*

- Designed and developed a full-stack web application enabling customers to book local excursion experiences and staff to manage working shifts, including registration capabilities
- Spearheaded the frontend design and middleware implementation, ensuring a user-friendly interface and experience
- Collaborated with a development team, using GIT for project management and version control