

EMILIO ALVAREZ VERONESI, BSC

CALGARY, ALBERTA

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WORK EXPERIENCE

Junior Software Developer

November 2020 – February 2022

Blackline Safety, Calgary, AB

- Participated in an Agile software development process using CI/CD and trunk based development
- Delivered features across several parts of the Blackline Safety SaaS platform, including features for G7 EXO area gas monitors, utilizing technologies including Python, Angular, and PHP
- Coordinated communications between teams to ensure requirements are correctly updated and addressed while remaining on course to meet deadlines
- Provided feedback during sprint planning and refinement to ensure requirements included relevant details and work required for a feature was identified
- Updated and developed containerized applications in a Linux environment, which were deployed on the AWS platform
- Mentored new hires and interns whenever possible, and created and updated onboarding documentation to ease the transition into the Blackline Safety development process

Software Developer Intern

May 2018 – July 2019

Arterys, Calgary, AB

- Participated in a remote Agile workflow as part of the Oncology and Front-end architecture teams
- Developed features, unit and integration tests, and fixed bugs in the Arterys MICA platform
- Assisted in the transition from Angular.js to Vue.js by replacing Browserify with Webpack, migrating Angular.js directives to Vue components, and presenting an introduction to Vuex to developers
- Reviewed and tested code for new features to ensure code and product quality was maintained

Network Sustainment Intern

January 2018 – April 2018

Shaw Communications, Calgary, AB

- Developed a web app used to monitor the health of the Shaw cable plant using Python, React, and SQL Server
- Parallelized the cable modem data collection shell script to improve performance

TECHNICAL SKILLS

Languages Python, Javascript, PHP, Java

Databases MySQL, SQL Server, Mongo

Platforms Amazon Web Services, Linux, Firebase

Other Git, Agile, Scrum, Unit / Integration Testing

EDUCATION

Bachelor of Science in Computer Science; Minor in Economics

2014 – 2020

University of Calgary

- Software Engineering Concentration; Internship Program
- Graduated with Distinction; GPA over last 10 courses: 3.97/4.00 (3.47 cumulative)
- Faculty of Science Dean's List (2017); Jason Lang Scholarship (2017)

PROJECT EXPERIENCE

Video Live Streaming Website

January 2020 – April 2020

Web-Based Systems, University of Calgary

- Designed and developed a video live streaming service with a small student team
- Implemented a live chat server hosted on AWS using Node.js, and website features using React

Brightsquid Usage Analytics

September 2019 – April 2020

Brightsquid, Calgary, AB

- Developed a proof of concept machine learning pipeline to gain insight into Secure-Mail usage
- Implemented regression models in Databricks using internal and external data, pandas, and scikit learn

Photography Social Network Interface

September 2017 – December 2017

Human Computer Interaction, University of Calgary

- Designed an interface for a photography-centered social network using task centered system design
- Created a vertical prototype with C# WPF to show the features of our network in a more advanced stage