

# EMILIO ALVAREZ VERONESI, BSc

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## 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)

## WORK EXPERIENCE

**Software Developer Intern** May 2018 – July 2019  
Arterys, Calgary, AB

- Participated in an Agile workflow as part of the Oncology product and Front-end architecture teams
- Developed features and fixed bugs in the Arterys MICA platform, a SaaS product
- Developed unit and integration tests for new features and bug fixes
- 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
- Mentored new interns, passing on knowledge to get them up to speed effectively

**Network Sustainment Intern** January 2018 – April 2018  
Shaw Communications, Calgary, AB

- Developed and tested front-end and back-end of a web app used to monitor the Shaw cable plant
- Improved performance of cable modem data collection by parallelizing the collection process
- Simplified interface by introducing an interactive map giving an overview of cities, hubsites, and nodes
- Updated and created SQL Server stored procedures to accommodate new features

## 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

## TECHNICAL SKILLS

<b>Languages</b>	JavaScript, Python, Java, C#, C/C++, PHP
<b>Databases</b>	SQL Server, MySQL, Mongo
<b>Platforms</b>	Linux, Microsoft Windows, Amazon Web Services, Firebase
<b>Other</b>	Unit/Integration Testing, Agile, Scrum, GitHub, GitLab