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Education

Bachelor of Software Engineering (3.84 GPA)	University of Victoria	Fall 2013 – Present
Bachelor of Psychology	Brock University	Fall 2008 - Spring 2011

Technical Experience

- Proficient Languages: C++, Javascript, Go
- Familiar Languages: Java, C, Typescript, Python
- Front-End Web Development: HTML, CSS, AngularJs, Angular, Bootstrap
- Back-End Web Development: MongoDB, PostgreSQL
- Nerdy Stuff: Avid Linux User, 3D Printing Enthusiast

Work Experience

Software Developer Co-op	MDA	Summer 2016 - Spring 2017
<ul style="list-style-type: none">• Developed mission planning software for RADARSAT Constellation Mission, a three-spacecraft fleet of satellites• Lead migration from error checking to exceptions resulting in a 50% reduction in lines of code• Wrote the spacecraft schedule generation component for telemetry downlink and uplink in C++		

Software Developer Co-op	Isolation Network	Fall 2015
<ul style="list-style-type: none">• Developed a user interface for Universal Media Group's content distribution system using Angular and ASP.net• Created a RESTful API for the existing SQL database using Entity Framework for queries of products and orders• Led the migration from Angular controllers to Angular 2.0 style components		

Account Manager	KCI Publishing	Summer 2011 to Summer 2013
<ul style="list-style-type: none">• Developed marketing campaigns for Industrial Valve, Pump and Stainless Steel Distributors and Manufacturers• Interacted directly with marketing managers and upper level executives to develop Global Marketing Campaigns• Planned and ran 3 industry tradeshow and assisted in publishing over 60 magazine issues• Responsible for online, printed and trade show advertisements		

QA Analyst Co-op	Latitude Geographic	Spring 2015
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Projects

BoardGameTracking.com - Real time tracking of money in board games like Monopoly or Powergrid

- Core Contributor and maintainer, implemented custom login system with passport js
- *Bootstrap, Angular, MongoDB, Node.js, Express, Socket.io, Passport Js*

GloboGym.me - Real time scheduling app that allows users to schedule bookings for rooms and facilities

- Implemented Facebook and Google+ logins and set up hosting with DigitalOcean
- *Bootstrap, Angular, MongoDB, Node.js, Express, Socket.io*

YourNewDad - AI that responds to REST requests to play a head-to-head version of the classic game snake

- Entry into the 2016 Battle Snake Competition, defeated most bounty snakes at the competition
- *Golang, MySQL*

Choral.Cloud - IOT aggregation service supporting hierarchical data visualization for IOT sensors

- Designed API endpoint and did procurement and assembly of the sensors
- *Golang, Apache Storm, Cassandra, Hadoop*

Additional Experience

UVic Aero – Software Developer	Spring 2014 – Present
Student team competing in Unmanned Aircraft Competitions	
Designed the Antenna Tracking system (C++)	

UVic Aero – President	Spring 2015 – Spring 2016
Responsible for creating and maintaining sponsor relationships	
Ran weekly meetings and oversaw UAV design and construction	