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Andrei Ryan Taylor

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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++ (2 years), Javascript (4 Years), Golang (1 Year)
- 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 (MacDonald, Dettwiler and Associates) Summer 2016 - Spring 2017

- Developed mission planning software for RADARSAT Constellation Mission, a three-spacecraft fleet of satellites
- Implemented a workflow manager for automating repetitive spacecraft related tasks in C++
- Wrote the spacecraft schedule generation component for telemetry downlink and uplink in C++

Software Developer Co-op

Isolation Network

Fall 2015

- 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

- 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

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