

Co-op Status

Available for third Co-op work term in August 2017.

I am currently in my 4th year of the computer science program.

Education

Dalhousie University, Halifax, NS

September 2012 - Present

Bachelor of Science, Computer Science major

Skills

Client-side programming	Javascript, AngularJS, Ionic, jQuery
Server-side programming	Node.js, Django, PHP
Java Development	jUnit, Gradle, Android, Espresso
Database	MongoDB, SQL
Programming	Python, C++, C
Software tools	Git, JetBrains IDE, Jira, Travis CI
Operating system	Linux, Windows
Web design	CSS, Sass, Less, Bootstrap
Communication	Public speaking, professional documents
Leadership	Organizing and leading events, group problem solving

Work Experience

Gracenote

January 2017 - April 2017

Full Stack Web Developer

- Developed a new Node.js api working extensively with MongoDB to form complex aggregate queries.
- Created a data management tool in AngularJS for none technical co-workers to manage clients website data across development enviroments.
- Developed in an agile work enviroment using Jira for tracking tasks and velocity.
- Debugged and developed a codebase with hundreds of sports widgets in AngularJS and Node.js using Webstorm.
- Developed a custom AngularJS directive for implementing an efficient scrolling table solution and tested for cross browser compatibilty using browser stack.

CWD Law Incorporated

May 2016 - August 2016

Full Stack Web Developer

- Completed the co-op work term objective of developing a prototype web application for the company to present to users.
- Worked on all aspects of the sites development, such as the sites design, code base and business logic.
- Worked on a pre-existing code base in Django, Bootstrap and jQuery and used Git for source control.
- Effectively communicated technical aspect of my work at the company to non-technical boss.

- Taught calculus to a high school student who achieved a final grade of A.
- Assessed the aspects of mathematics the student struggled with and developed methods to overcome the student's weaknesses.

Ela Greek Taverna, Halifax, NS
Line Cook

May 2013 - August 2014

- Prepared food for the diners in a fast paced environment, worked effectively as part of a team to ensure that orders were processed efficiently and to a high standard.

Extra-Curricular Programming

Dalhousie IBM Bluemix NS Open Data Hackathon

5th - 6th March 2016

- Placed 2nd out of the 1st and 2nd year student category for creating a web application that finds the best city to live in Nova Scotia based on user inputted preferences using Nova Scotia open data records.
- Responsible for developing the front-end using Bootstrap and back-end using JavaScript in Node RED on the IBM Bluemix framework.

To view more software I have worked on visit my Github account: [Alexander1994](#).

Academic Achievements

Achieved the Dean's list during the 2014/2015 and 2015/2016 fall and winter semester with an average GPA over the semesters of 3.90.

Analyzed and wrote a report as part of a group project on the MapReduce process in the Hadoop framework with a focus on the data structures and algorithms involved.

Achieved the highest grade amongst my entire class on a midterm for my server-side scripting class where the focus of the test was on PHP.

Developed the translation and google maps features for a shark sighting mobile app using Ionic as part of a community outreach course for the shark identification network to increase shark sightings.

Programming Course List

Computer science I	A
Computer Science II	A+
Computer Science III	A+
Intro to Web Site Creation	A
Concepts in Computing	A
Applications of Computing	B+
Server-Side Scripting	A+
Intro to Database Systems	A+
Software Development	A
Algorithms	A-
Object Oriented Programming	A
Web Centric Computing	A+
Community Outreach	A-