

Glavin Wiechert

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Education

Honours in Computing Science, Bachelor of Science SAINT MARY'S UNIVERSITY, Halifax, Nova Scotia Sep. 2012 - Exp. May 2017

- Dean's List student with 3.6 / 4.0 GPA and expecting to graduate in May 2017.
- Wrote honours thesis on classification of electroencephalogram (EEG) data from Muse headband to predict person wearing and their activity.

Related Work Experience

Software Developer LIXAR IT, Halifax, Nova Scotia Aug. 2016 - Present

- Led team of 3+ other software developers to implement web application using [JavaScript](#), [Sass](#), [React](#), [Node.js](#), [Docker](#), [Webpack](#).
- Redesigned previous project build process, reducing both developers' pain points and build time from ~60 minutes down to ~20 minutes.

Freelance Full-Stack Software Developer FREELANCING, Dartmouth, Nova Scotia [Remote] May 2016 - Jul. 2016

- Led team of 2+ other software developers to design and develop iOS application with [React Native](#) and [GraphQL](#) API server with [Reindex](#).
- Developed web application and [GraphQL](#) API server with [React.js](#), [Relay](#), [Node.js](#), [Serverless](#) framework, and [AWS's DynamoDB](#).
- Developed Slack Bot using [Wit.ai](#), [Botkit](#), and [Node.js](#) which used existing API for data retrieval.

Research Assistant (Honours Student) SAINT MARY'S UNIVERSITY, Halifax, Nova Scotia Jan. 2016 - Apr. 2016

- Implemented classification and clustering research of electroencephalogram (EEG) data in [R](#) and [Java](#) using methods [Decision Tree](#), [Random Forest](#), [Support Vector Machines \(SVM\)](#), [Neural Networks](#), and [Genetic Algorithms](#).
- Co-authored multiple research papers written with [LaTeX](#) which were accepted to multiple conferences.

Senior Software Engineer SKILLTAPPER, Lakeville, New Brunswick [Remote] Jul. 2015 - Mar. 2016

- Led a team of 3 other software developers [remotely](#), using [Google Hangouts](#) for Video Calling and [GitHub](#)'s Issue Tracker.
- Developed web application in [JavaScript](#) using [Ember.js](#) framework and [Sass](#).
- Developed a [RESTful API](#) server in [Node.js](#) using [Sails.js](#) framework to interact with customer data stored in [MongoDB](#) and [Redis](#).

Cofounder, Vice President of Engineering STREAMLYNE TECHNOLOGIES, Dartmouth, Nova Scotia Apr. 2013 - Jul. 2015

- Co-led a team of 4 software developers, using [GitHub](#)'s Issue Tracker, and taught interns about web technologies we used.
- Redesigned data processing pipeline to dramatically reduce operating costs on [AWS](#) while increasing to >5,000 sensors/second using [Redis](#), [RabbitMQ](#), [MongoDB](#), and [Python](#).
- Designed and implemented the [RESTful API](#) server with [Python](#), [MongoDB](#), [Redis](#), [RabbitMQ](#).
- Developed web application in [JavaScript](#) using [Ember.js](#) framework, [Ember Data](#), and [Sass](#).
- Collaborated with Data Scientist (Ph.D candidate) to design and implement predictive analytics system using [R](#), [MongoDB](#), and [InfluxDB](#).
- Gained business [presentation](#) experience by attending business meetings as technical representative along with sales representative.

Software Developer COMPILR (ACQUIRED BY LYNDIA.COM), Halifax, Nova Scotia May 2013 - Jul. 2013

- Developed Compilr's web application using [JavaScript](#), [HTML](#), [CSS](#), [PHP](#), [Node.js](#), and [MySQL](#). Specifically tools for education, including an innovative interactive source code recording system.

Projects

Atom-Beautify OPEN-SOURCE, [github.com/Glavin001/atom-beautify](#) Jul. 2014 - Present

- An Atom editor package which unifies configuration of ~40 third-party code beautifiers/formatters across many different languages.
- Redesigned the package to improve support from 1 beautifier to ~40 beautifiers and have since exceeded 2 million package downloads.

Issue Bot OPEN-SOURCE, [github.com/Glavin001/IssueBot](#) Jun. 2016 - Jun. 2016

- Created prototype to predict labels and detect duplicates of [GitHub](#) Issues' text data using [scikit-learn](#) package, [Python](#), and [Node.js](#).

Honours & Awards

2016	1st Place Team , 48-hour Hackathon, hosted by Volta Labs	Halifax, Nova Scotia
2015	Finalist Team , IBM/Sobeys Retail Hackathon, hosted by Saint Mary's University	Halifax, Nova Scotia
2015	1st Place Team , IBM Bluemix Hackathon, hosted by Saint Mary's University	Halifax, Nova Scotia
2014	1st Place Team , Saint Mary's University Mobile App Contest	Halifax, Nova Scotia
2013	1st Place Team , Saint Mary's University Mobile App Contest	Halifax, Nova Scotia
2012	1st Place Team , Saint Mary's University High School Programming Competition	Halifax, Nova Scotia