

Glavin Wiechert

SOFTWARE ENGINEER

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Related Work Experience

Research Assistant (Honours Student)

Jan. 2016 - Apr. 2016

SAINT MARY'S UNIVERSITY, Halifax, Nova Scotia

- Researched classification and clustering techniques, such as *Decision Tree*, *Random Forest*, *Support Vector Machines (SVM)*, *Neural Networks*, and *Genetic Algorithms*, for classifying electroencephalogram (EEG) data based on person and activity.
- Implemented software for classification and clustering of EEG data in *R* and *Java*.
- Assisted with writing research papers in *LaTeX*.

Senior Software Engineer

Jul. 2015 - Mar. 2016

SKILLTAPPER, Lakeville, New Brunswick [Remote/Telecommuting]

- Managed a small team of 3 other internal 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*, along with managing 2 other team members.
- Designed and implemented a RESTful API server in *Node.js* using *Sails.js*, to connect the web application to retrieve and manipulate customer data stored in *MongoDB* and *Redis*.

Cofounder, Vice President of Engineering

Apr. 2013 - Jul. 2015

STREAMLYNE TECHNOLOGIES, Dartmouth, Nova Scotia

- Managed a small team of software developers, using *GitHub*'s Issue Tracker.
- Architected and implemented the *RESTful API* server, along with 2 other server developers, with *Python*, *MongoDB*, *Redis*, *RabbitMQ*.
- Gained business *presentation* experience by attending business meetings as technical representative along with sales representative of Streamlyne.
- Gained *customer development* experience by working closely with early adopter customers to ensure their ideas and concerns were being heard and addressed with the Streamlyne technology.
- Gained business-to-business software integration experience by working with third-party technical teams.
- Developed web application in *JavaScript* using *Ember.js* framework and *Sass*, along with training interns how to use these web technologies.
- Developed *iOS* application in *Objective-C* for iPhone, iPod Touch, and iPad.
- Collaborated with experienced Data Scientist (Ph.D candidate) to design and implement predictive analytics system using *R*, *MongoDB*, and *InfluxDB*.
- Improved data processing pipeline to dramatically reduce operating costs and improve real-time performance using *Redis*, *RabbitMQ*, *MongoDB*, and *Python*.

Developer

May 2013 - Jul. 2013

COMPILR, Halifax, Nova Scotia

- Developed Compilr's web application using *JavaScript* / *Node.js*, *HTML*, *CSS*, *PHP*, and *MySQL*. Specifically tools for education, including an innovative interactive source code recording system.
- Compilr was acquired by an online education company, Lynda.com, on April 7, 2014 and Compilr's education tools were integrated in Lynda.com's web application.

Education

Honours in Computing Science, Bachelor of Science

Sep. 2012 - Exp. Apr. 2017

SAINT MARY'S UNIVERSITY, Halifax, Nova Scotia

Honours & Awards

2016	1st Place Team , 48-hour Hackathon, hosted by Volta	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 , Saint Mary's University High School Programming Competition	Halifax, Nova Scotia