

LIAM COLEMAN-AULENBACH

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SKILLS

Languages

Python, JavaScript (ES6),
C/C++, HTML5, CSS3, Scala

Libraries and Frameworks

React+Redux, jQuery, .NET,
Hadoop+Spark, MongoDB

Tools

Git, Linux, Vim

EXPERIENCE



SOFTWARE DEVELOPER

- Built an interactive analytics dashboard with **.NET** for Canada Development managers to improve operations insight, eliminate manual work on reports, and give better organization-wide access
- Designed and implemented a data warehouse for agile metrics for scrum teams using **Hadoop** and **Apache Spark** analytics
- Created a real-time production incident communication tool to improve workflow for developers and co-ordinate between separate teams with **React + Redux**, **Node.js**, and **MongoDB**



FRONT-END DEVELOPER

- Started development of the web app using EmberJS – built the authentication and session management features, with integrated social media OAuth 2 verification
- Built many reusable UI components with promise-based design using **ES6** and Handlebars



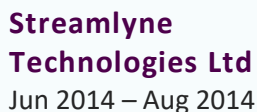
SOFTWARE DEVELOPER CO-OP

- Developed the AccessDeck installer using PHP5 to configure the LAMP stack and pre-populate **MySQL** tables
- Currently in use at 2 Canadian universities – accessdeck.com



PROPRIETOR AND SOFTWARE DEVELOPER

- Built a new product website for Henry Schein, Inc. (a Fortune 500 company) – ddx dental.com
- Wrote the website to responsively scale for mobile screens and display in 4 languages
- Completed development contracts, negotiated fees, wrote contract terms, invoices and receipts



BACK-END DEVELOPER

- Created a black-box and unit testing suite covering **95%** of the server codebase
- Overhauled the Tornado and **MongoDB** back-end, and migrated it from **Python** 2.7.3 to 3.4.1
- Implemented MessagePack serialization on the API, reducing data traffic size by up to 33%

AWARDS

Capital One API Prize
2nd Place
2nd Place

Boston Hacks
WEC Programming Competition
SMU Hack-a-Week

November 2015
November 2015
May 2014

EDUCATION

Candidate for Bachelor of **Software Engineering** • University of Waterloo • 2015-2020
Independently taking **Stanford Machine Learning** course via Coursera