LIAM COLEMAN-AULENBACH

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EXPERIENCE

Streamlyne Technologies Ltd
Jun 2014 – Aug 2014

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%

Skilltapper
Jan 2015 – Aug 2015

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 dynamic and reusable HTML components using **Handlebars**
- Used promise-based design patterns and **ES6** for asynchronous UI elements

FROSTBYTE INTERACTIVE
Jan 2015 – Jun 2015

SOFTWARE DEVELOPER CO-OP

- Designed and developed the AccessDeck software installer using **PHP 5**
- Installer configures the AccessDeck **LAMP** stack and pre-populates its **MySQL** database
- AccessDeck is already used at 2 Canadian universities and counting – accessdeck.com

Blomidon Software
Oct 2014 – Dec 2015

PROPRIETOR AND SOFTWARE DEVELOPER

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

WATSAT — University of Waterloo Satellite Team
Sep 2015 – Current
tiny.cc/watsat

COMMAND & DATA HANDLING TEAM MEMBER

- Collaborating with the Communication Team to program the satellite communications thread
- Designing a complex state machine for operating the Nano Series Spread Spectrum modem
- Passed the Canadian Amateur Radio Operator Certificate exam

SKILLS

Languages	Libraries and Frameworks	Tools
Python, **JavaScript**+ES6, **C**, HTML5, CSS3, Java, PHP 5	jQuery, EmberJS, Tornado, MongoDB	Git, Linux, Vim

AWARDS

Capital One API Prize	Boston Hacks	November 2015
2nd Place	WEC Programming Competition	November 2015
2nd Place	SMU Hack-a-Week	May 2014
Raspberry Pi Award	SMU Hack-a-Week	May 2013

EDUCATION

Bachelor of **Software Engineering** · University of Waterloo · 2015-2020

Independently taking course in **Discrete Optimization** via Coursera