

Permanent Address
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Current Address
2829 E Kyne St, Unit 2104
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WORK EXPERIENCE

- Performance & Capacity Engineering Intern, [Facebook](#)** Summer 2017
- Worked on [FBLearner](#) with the Applied Machine Learning Infrastructure team.
 - Created a machine learning model for resource usage prediction of large scale machine learning jobs. Increases server utilization by up to 400%.
- Software Engineering Intern, [Cockroach Labs](#)** Summer 2016
- Worked on stability of CockroachDB's distributed KV-store.
 - Designed a debugging tool for the Raft consensus algorithm.
- Software Engineering Intern, [Gridspace](#)** Spring 2016
- Added seamless transfer of conference calls between servers for scalability.
 - Gridspace Memo UX improvements. Python, SIP, React and Django.
- Software Engineering Intern, [Google](#)** Summer 2015
- Worked on Knowledge Graph tools and data integrity.
 - Go, C++, AngularJS, Polymer, and GoogleSQL.
 - Increased productivity of thousands of contractors.
- Software Engineering Intern, [Socrata](#)** Summer 2014
- Created timeline and table visualizations. Improved choropleth and bar chart.
 - Demo: fn.lc/1ud. AngularJS, Ruby, Scala and Java.

PROGRAMMING PROJECTS

- WebSync websyn.ca** Early 2013 - Present
- An open source document editing suite comparable to Google Drive.
 - Written in Node.js, JavaScript and Ruby with PostgreSQL and Redis.
 - 1038+ Users. 43,000+ Page Views.
- go-pry github.com/d4l3k/go-pry** Spring 2015 - Present
- An interactive REPL for Go. Reflection based Go interpreter seamlessly integrates with compiled code. 287+ GitHub Stars.
- messagediff github.com/d4l3k/messagediff** Fall 2015 - Present
- A library for doing diffs of arbitrary Go structs including non-exported fields.
 - Featured at golangweekly.com/issues/72. 115+ GitHub Stars.
- degdb github.com/d4l3k/degdb** September 2015 - Present
- A distributed economic graph database operating similarly to Bitcoin.
 - Won best use of Linode services at PennApps 2015 Fall. 173+ GitHub Stars

OPEN SOURCE

- Linux Kernel git.kernel.org** November 2013
- Updated kernel driver to support the MayFlash GameCube USB adapter.

TECHNOLOGICAL EXPERTISE

- Languages**
- *Proficient:* Go, Python, TypeScript, JavaScript, SQL, Ruby
 - *Working knowledge:* C, C++, Hack/PHP, Bash, Java, Scala, R
- Technologies**
- *Proficient:* Linux, PostgreSQL, MySQL, Redis, Git, CockroachDB, Docker
 - *Working knowledge:* MongoDB, nginx, Hive, Mercurial

EDUCATION

- University of British Columbia** Class of 2018
- Studying Computer Science. 3.95 GPA

LEADERSHIP

- VP Communications & Webmaster, [UBC CS Student Society](#)** Fall 2016 - Present
- Technical Director & Webmaster, [nwHacks](#)** Fall 2015 - Present
- Eagle Scout** Spring 2014