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Current Address
2205 Lower Mall
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WORK EXPERIENCE

Software Engineering Intern, Cockroach Labs Summer 2016
cockroachlabs.com

- Worked on stability of the distributed KV-store.
- Designed a debugging tool for the Raft consensus algorithm.

Software Engineer (part-time), Gridspace gridspace.com Spring 2016

- Seamlessly transfer conference calls between servers for scalability.
- Gridspace Memo UX improvements. Sift API bug fixes.

Software Engineering Intern, Google Summer 2015

- Worked on tools for curating the Knowledge Graph and data integrity.
- Primarily used Go, C++, AngularJS, Polymer, and GoogleSQL.
- Increased productivity of thousands of Google contractors.

Engineering Intern, Socrata socrata.com Summer 2014

- Front end development using AngularJS, and Ruby.
- Debugging Scala and Java backend.
- Software used by 100+ major government organizations.

OPEN SOURCE

Linux Kernel git.kernel.org November 2013

- Updated kernel driver to support the MayFlash GameCube USB adapter.

PROGRAMMING PROJECTS

WebSync websyn.ca Early 2013 - Present

- An open source Document, Presentation, Spreadsheet, Note Taking and File Sync suite similar to Google Drive or Office 365.
- Written in Node.JS, Javascript and Ruby with PostgreSQL and Redis.
- 850+ Users. 35,000+ Page Views.

go-pry github.com/d4l3k/go-pry Spring 2015 - Present

- An interactive REPL for Go that allows you to drop into your code anywhere.
- Implements a Go interpreter that interacts with running compiled code.
- Featured at golangweekly.com/issues/51. 247+ 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. 103+ GitHub Stars.

degdb <https://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.

TECHNOLOGICAL EXPERTISE

Languages

- *Proficient:* Go, TypeScript, Ruby, JavaScript, SQL
- *Working knowledge:* C/C++, Python, Bash
- *Familiar:* Java/Scala (Android & Web), R, Caffe

Technologies

- *Proficient:* Linux, PostgreSQL, Redis, Git, CockroachDB
- *Familiar:* MongoDB, nginx

EDUCATION

University of British Columbia Class of 2018
Studying Computer Science. 3.9 GPA

LEADERSHIP & HONORS

Eagle Scout Spring 2014
Canadian Computing Competition Spring 2014

- Honor Roll & School Champion - Top 10% of competitors.