

Location
Bellevue / Seattle Area

Tristan Rice

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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. 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/degdb/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