



# Keyan Kousha

Entrepreneurial programmer

## EDUCATION

### UC DAVIS

June 2012

B.S. COMPUTER SCIENCE

Highest Honors

## LINKS

[keyankousha.com](http://keyankousha.com)

[twitter.com/k00bideh](https://twitter.com/k00bideh)

[github.com/huumn](https://github.com/huumn)

## JOBS

**ASPERA** — CONSULTANT June 2012 - June 2017 — Remote

\* Aspera was acquired by IBM in late 2014

**SCALEKV** Sept 2013 – June 2017 — Lead/Sole

Self healing, dynamically scaling, distributed in-memory database written in C/C++. A drop-in clustered replacement for standalone Redis that supported our cloud platform. Leveraging Redis, Twemproxy, and Consul.

**COMPANY-WIDE LOG PIPELINE** Feb – June 2017 — Lead/Sole

A company-wide logging format, event system, and metadata pipeline designed to power onprem and growing cloud installs. Utilized Protobuf, Golang, Redis, and Kafka.

**ANALYTICS BACKEND** June 2016 – June 2017 — Lead

Rewrote the analytics backend over a weekend in Golang. Our canonical log file that formerly took 30 minutes to analyze could now be analyzed in 20 seconds - 90x performance enhancement.

**RUBY META-PLUGIN** June 2012 – Sept 2013 — Lead/Sole as Intern

Embedded a Ruby 1.9.3 interpreter in a C plugin (.so), allowing source and destination filesystems to be implemented in Ruby. Required patching Ruby, manipulating the GVL, and zero-copy from Ruby's internal data structures on the network path. Went to prod in 6 weeks.

## PROJECTS

**GITERN** — SOLE FOUNDER July 2020 - Now — Davis, Ca

A git host for hackers. A git host from first principles. <https://giterm.com>

**GREPMED** — CO-FOUNDER May 2018 - Now — Sac, Ca

Image based medical reference. 600k daily image impressions, 175k MAU, 6k registered users. Backend is on AWS elastic beanstalk: Golang, postgres, S3, and Cloudfront. Frontend is JQuery and Bootstrap. <https://grepped.com>

**CHOREMATE** — SOLE FOUNDER Jan 2019 - Now — Davis, Ca

Using Nobel Prize winning economics, Choremate solves The Tragedy of the Commons in shared living situations. <http://choremate.co>

**DAVIS MAP** — SOLE FOUNDER Dec 2011 - Aug 2015 — Davis, Ca

Location-based collaborative wiki on iOS. Implementation included clustering algorithms, a fully revertible history by Postgres stored procedures, and an XML RESTful web API written in PHP.

<https://theaggie.org/uc-davis-alumnus-develops-daviswiki-app/>

**STUFFRAGE** — CO-FOUNDER Oct 2012 - Sept 2013 — Davis, Ca

A website where you can review anything with friends. Software stack was Rails, Postgres, Neo4J, and JQuery.

<https://davisenterprise.com/davis-roots-keeps-davis-people-working-in-davis/>

I've omitted a few projects you can read about on <https://linkedin.com/in/keyank>