

Summary

- My mission is to help humans make good decisions, solve big problems, and have better conversations
- Interests include climate change, community resilience, public discourse, geography, and energy
- Bachelor's and Master's degrees in computer science, minor in philosophy
- Experienced with Java, JavaScript, Go, Kotlin, HTML/CSS, SQL, NoSQL, Linux, Android, Vim, big data
- Familiar with C, C++, Dart, Perl, PHP, Python, Raku, Ruby, cloud, geodata, imagery, video, I18N, A11Y

Experience

Google LLC Boulder, CO
Staff Software Engineer Nov, 2009 – Present

- Street View: mobile apps to enable user imagery contribution from around the world
- Worked on frontend server, API, Android app, video capture, data processing
- Google Drive: tools to store, organize, and share files; web UI, frontend, backend
- Worked on Drive UI, file viewer, video playback, downloads, workflow, and server architecture
- Wrote pipelines and crafted dashboards to measure and understand product usage
- Educated cross-functional stakeholders on query and analysis tools for internal data sets
- Monitored and maintained production services used by hundreds of millions of people
- Led migration and turn-down efforts for a critical legacy service, easing operational load
- Reviewed hundreds of design documents and thousands of source changes
- Interviewed over 250 engineering candidates; served on weekly hiring committee

Tyler Technologies Inc. Lakewood, CO
Software Engineer Feb, 2004 – Apr, 2009

- Eagle products: Java-based enterprise applications for county recording, appraisal, and tax offices
- Designed, implemented, debugged, and refactored code at all levels
- Implemented information extraction from OCR text to save data entry time
- Lead developer for GIS architecture and UI, built on GeoTools API
- Informal leader for complicated problems, design/code reviews, theoretical wisdom

UNAVCO, Inc. Boulder, CO
Contractor May, 2003 – Jan, 2004

- Implemented *Jules Verne Voyager Jr.* and other Earth science web map tools

Education

University of Colorado Boulder, CO
Master of Science – Computer Science Aug, 2001 – Dec, 2003

Bachelor of Science With Distinction – Computer Science Aug, 1998 – Dec, 2003

- GPA 3.8 out of 4.0, minor in philosophy
- Leader in engineering, philosophy, spiritual, and political student groups

Activities and Hobbies

- Chapter leader, Citizen's Climate Lobby: non-partisan advocacy for climate change legislation
- Black Rock Ranger, Burning Man: public safety, peer counseling, community building, emergency comms
- College activities: resident advisor, Tau Beta Pi honor society, philosophy club, ACM programming contests
- Public talks about org charts, monetary theory, carbon pricing, and moral foundations
- Homebrewer, photographer, game player, radio amateur, geographer, traveler, wearer of many hats