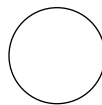


Ivan Zhang

Full Stack Developer

github.com/1vn
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[@1vnzh](#)



Experience

Lead Software Developer

Ranomics (Nov 2015 — Present)

- Wrote and designed the entirety of the software stack for customers around the world to access our genomics datasets to give faster and better cancer diagnostics.
 - High-profile users: BGI (3rd of Top Institutions in Nature and Science), Veritas (U.S.)
- Enabled revenue-sharing partnerships by building an OAuth2 RESTful API
 - Integration on the 3rd-party platforms gained exposure to 400+ European hospitals
- Architected infrastructure, and designed repeatable and reliable deployment processes on AWS
- Built proprietary scientific codebase to optimize our in-house lab processes

Languages

Go
React.js
Python/Tensorflow
SQL
HTML/JS/CSS

Open Source & Side Projects

Occam's Razor (co-author)

- Research group doing work in GANs and pre-training
 - Implemented neural networks in Tensorflow
 - Optimized training pipeline for researcher UX
 - Ran experiments and tuned hyperparameters accordingly

Imgrep (co-author)

github.com/keeferrourke/imgrep

- CLI utility for searching text snippets within images
 - Given a directory to scan and a keyword, outputs absolute paths to images containing keyword.
 - Written in Go and uses TesseractOCR in the backend.

Education

University of Toronto St. George
Bsc. Computer Science
2014—2016
Attended

wifi_doorbell

github.com/1vn/wifi_doorbell

- Wrote a Rust program to play a sound when someone connected to my local network.
 - Scans ARP packets, diffs the lists between scans, plays a sound using ears crate.

ColourNTP (contributor)

github.com/arkon/ColourNTP

- Chrome new tab extension: shipped the following features:
 - Automatically adjust the text colour to be readable to the dynamic background
 - Implemented workaround for the unpublished "frequently visited links" blacklist Google Chrome API