

Ivan Zhang

Full Stack Developer

github.com/1vn
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Experience

Lead Software Developer

Ranomics (Nov 2015 — Present)

- Wrote and designed the entirety of the software stack to allow clients around the world to access our genomics datasets to give quicker 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

Software Developer Intern

Hubnest (Apr 2015 — Sept 2015)

- Worked on and shipped multiple projects from initial scope to deployment.
 - Worked with designers and PMs on the team to deliver pixel-perfect and impactful solutions
 - Built solutions for businesses in multiple industries, ranging from insurance companies to plastic surgeons

Open Source & Side Projects

ColourNTP (contributor)

github.com/arkon/ColourNTP

- 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 - Implemented workaround for the unpublished "frequently visited links" blacklist Google Chrome API

CRCmaker (contributor)

github.com/arkon/crcmaker

- Shipped the following features:
 - Wrote a "export to PDF" function using pdfkit
 - Implemented sharing application state via URL to improve user collaboration story

wifi_doorbell

github.com/1vn/wifi_doorbell

- Wanted to know when friends/place came close to my condo
- 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.

Languages

Go
React.js
PostgreSQL
Javascript
Sass
HTML/CSS

Tools

Sass
Webpack
EC2
RDS
S3
Git
Sketch

Education

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