Ivan Zhang

Full Stack Developer

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@1vnzh

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  - Implemented workaround for the unpublished "frequently visited links" blacklist Google Chrome API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