

# Ivan Zhang

## Full Stack Developer

[github.com/1vn](https://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](https://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  - Implemented workaround for the unpublished "frequently visited links" blacklist Google Chrome API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](https://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](https://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