Tina Zhao
(✉ tinaz@tuta.io) (🌐 manacake.co) (🐙 github.com/manacake) (🏠 San Francisco, CA)

Skills

Languages (proficient)	Javascript, Python, C, C++	(familiar)	Go, Ruby
Frameworks/Tools	Vue, React, Node, Express, Electron, Mocha, PostgreSQL, Git, HTML/CSS, Sass		
Platforms	AWS, Serverless, Google Cloud, Heroku, Shopify		

Experience

Head of Software Engineering (Mar 2018 - Present)
Outset (🌐 greycat.co) (Remote)
- Designed, developed (in C++), and maintained all versions of firmware for project's custom printed circuit board
- Engineered solution to securely transfer data over public radio airspace using elliptic curve Diffie-Hellman
- Reverse engineered electronic waste integrated circuits via data sheets and troubleshooting
- Collaborated with open source community non-profits to integrate Outset into disaster scenarios
- Built greycat.co from scratch (using Vue/Serverless) to handle online sales of project's development kit

Developer (Oct 2015 - Dec 2017)
Next Thing Company (Oakland, CA)
- Designed, developed (using Vue/Express), and maintained the shipping logistics and order management system responsible for delivering 132k products to 95k customers in 143 countries
- Architected the full stack of a web/native application (using React/Express/Electron) that allowed customers to flash custom operating system images onto tiny Linux computers
- Engineered and implemented (in Go) WIFI on-boarding backend infrastructure for headless computers
- Built customs application to precisely calculate duties, taxes, and courier charges for e-commerce checkout
- Illustrated and designed image assets for applications and UI/UX flows in production

Developer (Sep 2014 - Oct 2015)
Prompt.ly (San Francisco, CA)
- Designed and implemented (in Javascript) the UI/UX for company SaaS application on mobile and web platforms
- Developed and managed key features of application including payments, subscriptions, and locations
- Maintained and improved Ruby on Rails application to supply critical analytics and marketing data
- Built and supported web scrapers (in Python) to gather qualified leads to grow customer base
- Spearheaded successful migration of application's vanilla CSS to SCSS
- Collaborated with executive and engineering leadership to analyze and plan sprints
- Mentored and trained new team members on stack tech as part of the on boarding process
- Participated in regularly recurring focus groups of application users to gather feedback

Web Developer (Aug 2008 - Sep 2014)
West Wind Education Policy, Inc. (Iowa City, IA)
- Illustrated and designed image assets for use in conventions, grant proposals, presentations, and print material for state level department of education clients
- Designed and developed (in Javascript/PHP) state level client deliverables into interactive web applications
- Managed client facing web spaces (tooling/social) and internal client database

Education

B.A. Computer Science, May 2014
University of Iowa

A.A. Business Administration, May 2010
Kirkwood College