
Currently in Austin, TX. Looking for full-time employment opportunities in Austin as well as:
Houston, TX | Denver, CO | Bay Area, CA | Seattle, WA | Vancouver | EU

I am always eager to learn new technologies and to apply my skills to solve a variety of problems. I love connecting with other members of the developer community, as well as with users to deliver the best service and meet their computing needs. I have a passion for applying my skills towards noble causes and new technology development for a changing world.

Education - The University of Texas at Austin

- Degree: B.S. Computer Science, graduated May 2016
- Notable Courses: Data Structures, Honors Computer Architecture, Honors Operating Systems, Autonomous Intelligent Robotics, Programming Languages, Compilers, Security and Privacy, Mobile App Dev
- Other studies: abstract mathematics, physics, ethics, rhetorical and technical writing

Employment

Kantar (October 2016 – April 2018)

- Developed SQL, C# and JS for Questionnaire DB, a fielding API for market research
- Worked closely with senior developers for DPAT, a backwards-compatible survey data API for the triggering and monitoring of data collection automation tools
- Implemented automation pipelines for builds with Azure management scripts, and also created a Kendo UI front-end to eventually replace the legacy non-DPAT system

Microsoft (summer of 2015)

- Intern for OneNote service architecture, back-end C# developer for notifications API
- Wrote an extension for multi-threaded servers as a part of their data/storage pipeline
- Helped design the data API for a front-end change-log feature integrated into iOS

Offers.com (summer of 2014)

- Built a Docker container manager using Ruby and AWS for a PHP development pipeline
- Used Ruby libraries such as Fog and Commander to implement resource management and load-balancing into the tool to prevent idle time costs

NCI Building Systems (summer of 2013)

- Built a web application interfacing with Google Maps for a building code API
- Worked with consultants on a document management system to help their engineering business risk assessment and requirements planning using Agile methodology

Skills

- Linux and Windows cloud deployment & API development
- Java, .NET, Ruby & Python back-end experience
- HTML5/CSS3, JS frameworks like jQuery, Kendo, React
- General software performance analysis and diagnostics experience

Projects

- Android app development for textbook marketplace and weather balloon module
- Verilog development of an FPGA for signal processing on an experimental instruction set architecture
- Python Twitter personality for Segbots integrated with ROS

Interests

- Networking, virtualization and multiprocess concurrency
- Haskell functional programming
- High-level hardware design and low-level systems programming
- Data analytics and Bioinformatics
- Environmentally responsible engineering, community outreach, and ethical data collection