Grant Sherrick

625 Pearl St, Apt. 12 Boulder, CO 80302
Phone: (713) 503-2198
Email: agsherrick@gmail.com

Employment

Rates & Agents, Co-Founder **9/2016 – present**

- Researched, designed and developed a web application in Node.js and Handlebars with a two-sided market.

Rafflecopter, Full Stack Software Engineer **9/2014 – 9/2016**

- Simplified, expanded, and consolidated customer tracking and analytics, resulted in increased marketing capabilities and the deletion of over 1000 lines of Javascript and Python code.
- Integrated the Facebook, Twitter, and Zapier APIs into a Clojure-based web application using OAuth 1 & 2.
- Setup a workflow, investigated long-term use and viability, and integrated a platform for deploying container-based microservice applications.
- Maintained and upgraded a Wordpress-based blog using jQuery, Sass/CSS, and PHP.
- Created a chat-bot in Coffeescript that deployed and monitored applications via single line semantic phrases.
- Cleaned and enhanced customer analytics data by removing duplicates and merging/transforming data from multiple external analytics sources and internal databases.
- Designed a Git/Github-based website generator in Node.js that allowed business users to create landing pages with little to no training that could be merged into the live application using minimal developer time.

Orica Mining Services, Delivery Systems R&D, Robotics Engineer **6/2012 – 8/2014**

- Led the software design and development in C++ and Python of a mobile robotic system.
- Developed control algorithms, mapping capabilties, object avoidance, and personnel following using machine learning and a fusion of range finding sensors (stereo cameras, odometry, LIDAR, and RADAR).

Graduate Research Assistant, University of Massachusetts, Laboratory for Perceptual Robotics **5/2009 – 5/2012**

- Developed real-time control algorithms and path planners for robotic arms and wheel-based platforms.
- Developed a probabilistic system so that a robot could actively learn to correct its grasp on tools depending on the spatial relationships between each tool and the robot.

Education

M.S. *Computer Science*, University of Massachusetts, Amherst, MA 2012, GPA: 3.739

B.S. *Computer Engineering*, Texas A&M University, College Station, TX 2008, GPA: 3.615

B.S. *Applied Mathematics*, Texas A&M University, College Station, TX 2008, GPA: 3.118

Awards

- 2011 & 2010, Massachusetts Space Grant Fellowships.
- 2008-2009, James H. Cross Distinguished Former Student Scholarship.

Skills

Languages and Technologies: Javascript; Python; Clojure; Bash scripting; Node.JS; Docker
Project Management: Scrum, Standups, Pivotal Tracker, KT Project Management
Hobbies: fiction writing, trail running, bbq, beer making, rock climbing, snow skiing