

Grant Sherrick

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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.
- Created a chat-bot that deployed and monitored applications using 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 static website generator that allowed business users to create landing sites with little to no training.

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 capabilities, object avoidance, and personnel following for a mobile platform using 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 system based on Bayesian filters so that a robot can actively learn to correct its grasp on tools depending on the spatial relationship between the 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