

# Grant Sherrick

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# Software Engineer

625 Pearl St, Apt. 12  
Boulder, CO 80302

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## 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 Engineer

9/2014 – 9/2016

- ~ Simplified, expanded, and consolidated customer tracking and analytics, which resulted in the removal 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, Robotics Software Engineer

8/2012 – 8/2014

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

## UMass – Amherst, Robotics Research Assistant

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 learned to correct its grasp on tools depending on the spatial relationships between each tool and the robot.
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## M.S. in Computer Science

GPA: 3.739, 2012, University of Massachusetts, Amherst, MA

## B.S. in Computer Engineering

GPA: 3.615, 2008, Texas A&M University, College Station, TX

## B.S. in Applied Mathematics

GPA: 3.118, 2008, Texas A&M University, College Station, TX

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## Languages and Technologies:

Javascript: Node, Express, Handlebars, jQuery, React  
DevOps: Docker, CoreOS, Deis, bash scripting, Nginx  
Python: django, numpy, requests  
Clojure: compojure, core.async, reagent

## Project Management:

Standups, Pivotal Tracker, Scrum