

CALEB KIRKSEY

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EDUCATION

UDACITY | Self-Driving Car Engineer Nanodegree

JAN 2016 TO PRESENT

- Traffic Sign Detection with CNNs using TensorFlow
- Lane Finding with Computer Vision using OpenCV
- Intro to Machine Learning by Sebastian Thrun and Katie Malone
- Artificial Intelligence for Robotics by Sebastian Thrun

GEORGIA INSTITUTE OF TECHNOLOGY | B.S. Computer Science | Highest Honor

SEPT 2009 TO DEC 2013

- Emphasis on People and Media

EXPERIENCE

ROBOTICS SOFTWARE ENGINEER | AURO

DEC 2016 TO PRESENT

- Built tool to record and classify human interventions in autonomous driving
 - Created tablet-based categorization UI that subscribed to ROS nodes
 - Defined database schema and implemented ORM in Node.js for storing intervention data
- Operated the autonomous shuttle, picking up customers, and finding edge cases in obstacle detection
- Working on dynamic obstacle simulation in ROS/C++ for testing path planning/detection solution

SENIOR SOFTWARE ENGINEER | SALESFORCEIQ

JUN 2016 TO DEC 2016

- Built bulk email tool for intelligent, small-business CRM
 - Modified MongoDB and Cassandra DBs
 - Wrote Java connector logic leveraging existing job and Gmail/Exchange send infrastructure

MANAGER, SOFTWARE ENGINEERING | SALESFORCE

DEC 2015 TO JUN 2016

- Managed team of four developers focused on re-architecting our marketing automation platform
- Created a summer internship program at Salesforce's Atlanta office
 - Developed and executed a recruiting and interviewing process to hire five interns
- Led effort to deploy instances of our marketing automation platform on AWS

SOFTWARE ENGINEER | SALESFORCE

JAN 2014 TO DEC 2015

- Led in developing and launching new product to empower sales reps
 - Focused on building Chrome extension to extend Gmail functionality
 - Built API endpoints to access Pardot data and Apex proxies to leverage Salesforce OAuth

INTERN | AMAZON.COM

MAY 2013 TO AUG 2013

- Developed Java service to import email contacts
 - Implemented OAuth to access multiple third party APIs
 - Wrote code in Perl-MASON to modify retail website used by 182 million active customers

TECHNOLOGIES

Python, JavaScript, Java, ROS, TensorFlow, Keras, OpenCV, Node.js, SQL, MongoDB, Docker, Alexa

ACTIVITIES

- Volunteered as Robot Design Judge for FIRST Lego Robotics tournament in East Palo Alto
- Published Amazon Echo skill that used Heroku and Node.js to query transit API and read train arrival times for specific stations based on audio input
- Led robotics education program at south Atlanta Boys & Girls Club