

# Surya Dantuluri

## Intern at Renovo Auto

@ dsuryav@gmail.com  
github.com/dantuluri

408-746-9016

Cupertino, CA, USA

suryad.com

blog.suryad.com

linkedin.com/in/surya-d

## Experience

### Prediction and Perception Intern

#### Renovo Auto

June 2019 – September 2019      Campbell, CA

- Built end-to-end ML pipeline that enriched self driving car data with tags such as number of lanes, left turn, right turn, hard stop, bounding boxes using SSD, and image recognition using VGGNet. Used in production.
- Built scalable and highly available visualization engine using Node, Vis.gl, and Docker Swarm. Used in production.
- All work was in regards to the Renovo Insight Node: <https://www.renovo.auto/insight>

### Research Intern

#### Berkeley Artificial Intelligence Research Lab

February 2019 – Ongoing      Berkeley, CA

- Working on simulation to reality domain adaptation problems.

### Software Intern

#### Loopstalk

August 2018 – February 2019      Remote

- Worked on Microservices on Serverless Loopstalk app
- Build robust architecture handling 10,000 MAU with AWS Lambda

## Projects

### Autonomous Racing Vehicle

#### International Autonomous Robot Racing Challenge

June 2017 - July 2018

- Outscored Georgia Tech's Robotics Team at IARRC 2018 on my own
- Built a 1/10 scale Self Driving Car that navigated several different courses
- Used a Tensorflow, ROS, and OpenCV stack
- Featured on IndiaWest and other news publications

### SD1 Distributed Kubernetes Server

November 2017 - Ongoing

- Created powerful container orchestration cluster backing multiple websites
- Utilizes redundancy to sustain the high availability engine enabling it to be durable and scalable
- Serves over 100,000 visitors

Revised 7/24/19

## Accomplishments



### Outscoring Georgia Tech's Robotics Team

Built a robot that outperformed GA Tech's robot at IARRC 2018



### Speaker at MuPy at MIT

Presented on Reinforcement Learning, its uses and applications and an introduction to OpenAI Gym.



### Speaker alongside Jeff Dean and Peter Norvig

Spoke at HailCon alongside Jeff Dean and Peter Norvig

## Languages/Libraries

Python/Java/C++



Fullstack Development



Tensorflow



ROS



## Education

### High School Diploma

#### Monta Vista High School

Aug 2016 – June 2020

### Concurrent Enrollment

#### De Anza College

Dec 2018 – June 2020

## Publications



### Journal Articles

- Dantuluri, Surya (2018). "Rapid Autonomous Car Control based on Spatial and Temporal Visual Cues". In: eprint: [arXiv:1807.08233](https://arxiv.org/abs/1807.08233).