

# LIAM BOWERS

347.210.8081 | liamondrop@gmail.com | [github.com/liamondrop](https://github.com/liamondrop) | [linkedin.com/in/liamondrop](https://linkedin.com/in/liamondrop)

- 
- |                   |                 |                |                           |
|-------------------|-----------------|----------------|---------------------------|
| • Python          | • C/C++         | • JavaScript   | • Test-driven Development |
| • Computer Vision | • Sensor Fusion | • Localization | • Tensorflow/Keras        |
- 

## EDUCATION

**Georgia Institute of Technology** *Aug 2015 - Dec 2018*

- Master of Science in Computer Science: Computational Perception & Robotics

**Udacity** *Feb 2017 - Dec 2017*

- Self-Driving Car Engineer Nanodegree
- 

## EXPERIENCE

**Senior Software Engineer: Lifion by ADP** *Mar 2016 - Present*

- Delivering the runtime of a metadata-driven application platform for application development across web and mobile, using Node.js, React Native, Redux, Jest
- Helping foster a culture of rigorous testing and code review, improving code quality and productivity across the teams to which I contribute

**Senior Software Engineer: Insight Catastrophe Group** *Feb 2014 - Mar 2016*

- Built modular, full-stack applications in Backbone, React, and Node.js to manage the underwriting and servicing of insurance policies and quotes
- Enabled product team to rapidly create their own policy and underwriting products by creating automated build tooling

**Web Developer: Artspace Marketplace** *Jan 2013 - Feb 2014*

- Improved site reliability by implementing graceful degradation strategies for legacy browsers
- Reduced page load time by 80% and improved site performance across the stack by redesigning static asset build and deployment pipeline

**Web Developer: SeatGeek** *Sep 2010 - Dec 2012*

- Streamlined the production and deployment of 100s of seating charts for sports and concerts
  - Built interactive seating charts, events calendar, ad platform and more using Symfony on the server and Backbone.js on the client
- 

## RECENT PROJECTS

**Road Classifier (Semantic Segmentation)** - [github.com/liamondrop/semantic-segmentation](https://github.com/liamondrop/semantic-segmentation) *Dec 2017*

- Classifying the road in a series of images with a Fully Convolutional Network

**Path Planner** - [github.com/liamondrop/path-planning](https://github.com/liamondrop/path-planning) *Nov 2017*

- Safely navigate a vehicle around a virtual highway filled with traffic

**Model Predictive Controller** - [github.com/liamondrop/model-predictive-control](https://github.com/liamondrop/model-predictive-control) *Sep 2017*

- Enables a vehicle to safely follow a pre-determined path at high speed