

LIAM BOWERS

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

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

- Delivering the runtime of a metadata-driven 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
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RECENT PROJECTS

Road Classifier (Semantic Segmentation) - 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 *Nov 2017*

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

Model Predictive Controller - github.com/liamondrop/model-predictive-control *Sep 2017*

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