

# LIAM BOWERS

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- Python
  - C/C++
  - JavaScript
  - Test-driven Development
  - Tensorflow/Keras
  - Computer Vision
  - Numpy/Scikit-Learn
  - React/React Native
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## EDUCATION

**Udacity** (Feb 2017 - Present)

Self-Driving Car Engineer Nanodegree

**Georgia Institute of Technology** (Aug 2015 - Present)

Master of Science in Computer Science: Computational Perception & Robotics

**Cleveland Institute of Art** (Jan 1998 - May 2002)

Bachelor of Fine Arts: Glass Sculpture

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## EXPERIENCE

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

- Delivering a metadata-driven platform for application development using Node.js, React, React Native, Redux, and Jest across web and mobile clients
- 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, multi-layered, full-stack applications in Backbone, React, Node.js and Express 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, improving productivity and reducing deployment error

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

- Built the home, artworks, artists, shopping cart, etc. pages using Backbone.js and Django
- 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 of 100s of seating charts for sports and concert venues by managing a distributed team of illustrators
  - Built several major public facing features, including 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

- Vehicle Tracking in a video stream (Python): [github.com/liamondrop/vehicle-detection](https://github.com/liamondrop/vehicle-detection)
- Unscented Kalman Filter for sensor fusion (C++): [github.com/liamondrop/unscented-kalman-filter](https://github.com/liamondrop/unscented-kalman-filter)
- Model Predictive Controller (C++): [github.com/liamondrop/model-predictive-control](https://github.com/liamondrop/model-predictive-control)