

## Professional Experience

- Self-Driving Car Software Engineer, Open Source Lead at Udacity Present  
(Contract, ends in January)
- Military Aircraft Software Engineer at Sierra Nevada Corporation 2015–2016
- Founder, CEO, and Lead UAV/Drone Engineer at Nevada Dynamics 2014–Present
- Researcher at the UNR Robotics Lab (UAV embedded systems) 2014–2015
- Drone Software Engineer at Flirtey, the first company legally allowed to perform drone deliveries in the United States 2014
- Embedded Software Engineer at Polymer Microsystems Lab 2011–2013

## Education

B.S. **Computer Science and Engineering.** *Specialization in Intelligent Systems.* University of Nevada.

## Research Experience

- Currently leading worldwide open-source team of more than 3,000 engineers in developing world's first open source self-driving car
- Developed software systems to safely sense, image, and recognize obstacles during degraded visual environment (DVE) instances for military rotorcraft systems at Sierra Nevada Corporation (SNC)
- Founded company (Nevada Dynamics) that is currently collaborating with NASA, AT&T, 3DR, and the FAA to make the national airspace safer with the introduction of drones
- Performed embedded systems research with the UNR Robotics Lab for UAV/drone command and control
- Designed and carried out study on the perception of mistreatment towards robots
- Published and presented research at the IMECE international conference in Denver
- Programmed sensor hub/relay embedded mesh network system for the NASA OMEGA Project

## Academics and Award Recognition

- Awarded Full-Ride Scholarship to Attend the University of Nevada, Reno
- Recruited as Presidential Scholar, the highest award given to entering freshmen
- College of Engineering Dean's List, Selected for an Undergraduate Research Position
- Overall winner of \$50,000 Sontag Entrepreneurship Award at University of Nevada, Reno for drone/UAV startup company Nevada Dynamics