

Nick Landolfi

+1 (650) 868 4576
✉ nclandolfi@berkeley.edu
🌐 nicklandolfi.com

Education

2014–2018 **B.S. Electrical Engineering & Computer Science, Minor in Statistics.**

- University of California, Berkeley; Overall GPA: 3.953
- Regents' and Chancellor's Scholar, Leadership Award Recipient, 2014

Research & Work Experience

2016–Present **Research Assistant, InterACT Lab, University of California, Berkeley.**

- Researching interactive autonomy in robotics, modeling/planning in multi-agent scenarios
- Investigated active information gathering for goal inference in autonomous driving scenarios

2017 **Software Engineer Intern, Google, Sunnyvale.**

- Migrated Istio, an open source project for deploying and managing a mesh of services, to more scalable testing infrastructure
- Deployed and operated a Kubernetes cluster which runs hundreds of builds and tests for tens of engineers each day

2016 **Software Engineer Intern, Google, Mountain View.**

- Researched the prevalence and efficacy of test-driven development across Google engineers
- Designed a FSM to model the test-driven development process and implemented a timeline processor which ingests 2B timeline events composing 50K change lists per day

2015 **Software Engineer Intern, Zeal Learning, Inc, San Francisco.**

- Built the second iteration of the student web application as a member of a 2 person team
- Architected, designed and developed Zeal's new tutoring system, which creates a shared room with a realtime whiteboard, audio, chat and lesson viewer, on a 3 person team

2014 **Software Engineer Intern, Zeal Learning, Inc, San Francisco.**

- Built messaging (email/text) & metrics (on-boarding/actions) infrastructure
- Scaled systems by moving dynamic asset storage from local file system to AWS S3

Publications

2017 [1] **Nick Landolfi**, Anca D. Dragan. Social Cohesion in Autonomous Driving. (*in review*).

2017 [2] **Nick Landolfi**, Anca D. Dragan. Exploring Active Human Goal Inference in Shared Autonomy and Autonomous Driving. RSS Workshop: Mathematical Models, Algorithms, and Human-Robot Interaction, 2017.

2017 [3] Dorsa Sadigh, **Nick Landolfi**, S. Shankar Sastry, Sanjit A. Seshia, Anca D. Dragan. Planning for Cars that Coordinate with People: Leveraging Effects on Human Actions for Planning and Active Information Gathering over Human Internal State Invited to *Autonomous Robots (AURO)*. *In Review*, 2017.

Honors & Awards

- 2017 **Regents' and Chancellor's Research Fellowship.**
University of California, Berkeley
- 2017 **EECS Honors Degree Program.**
University of California, Berkeley
- 2017 **Arthur M. Hopkin Award.**
University of California, Berkeley
- 2014-2016 **Dean's Honors.**
University of California, Berkeley
- 2015 **Eta Kappa Nu, *Electrical Engineering and Computer Science Honor Society.***
University of California, Berkeley
- 2015 **Tau Beta Pi, *Engineering Honor Society.***
University of California, Berkeley
- 2014 **Regents' & Chancellors' Scholarship.**
University of California, Berkeley
- 2014 **Leadership Award.**
University of California, Berkeley
- 2014 **California Scholarship Federation Scholarship.**
Menlo-Atherton High School
- 2013 **Xerox Award for Innovation & Information Technology.**
Menlo-Atherton High School
- 2013 **National Honor Society.**
Menlo-Atherton High School

Skills

- **Technical Languages:** Go, Python, Java, C, JavaScript, Ruby, HTML/CSS, R, SQL
- **Software:** TensorFlow, Theano, Robot Operating System (ROS), numpy, scipy, matplotlib, MATLAB

Interests

- Interactive autonomy in robotics
- Modeling and planning in multi-agent scenarios
- Machine learning, stochastic control and optimization

Relevant Coursework

- Sp. 2017 **Optimization Models in Engineering, A.**
- Sp. 2017 **Signals & Systems, A.**
- Sp. 2017 **Time Series, A.**
- Fa. 2016 **Machine Learning, A.**
- Fa. 2016 **Algorithmic Human-Robot Interaction, A+.**

- Fa. 2016 **Concepts of Statistics**, *A+*.
- Fa. 2016 **Designing Information Systems & Devices II**, *A+*.
- Sp. 2016 **Artificial Intelligence**, *A*.
- Sp. 2016 **Designing Information Systems & Devices I**, *A+*.
- Fa. 2015 **Concepts of Probability**, *A*.
- Fa. 2015 **Discrete Mathematics & Probability Theory**, *A*.
- Fa. 2015 **Machine Structures**, *A*.
- Sp. 2015 **Data Structures**, *A*.
- Fa. 2014 **Structure & Interpretation of Computer Programs**, *A+*.

References

- Available upon request