

Dennis Lee

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Education

Fa 2015 – **University of California, Berkeley**
Spr 2019 B.S., Electrical Engineering and Computer Science
GPA: 3.90/4.00

Research and Industry Experience

Jul 2019 - **Google, Inc**
Present *AI Resident*
N2Formal - Reinforcement learning model for automated theorem proving
Task & Motion Planning – Multi agent algorithm for real world robot navigation

Jun 2016 – **Robot Learning Lab, University of California, Berkeley**
May 2019 *Undergraduate Researcher*
MAML-Zoo - Meta-policy optimization algorithm with theoretical guarantees
BairCraft - Modular Starcraft II Zerg AI using Pytorch and PySC2 interface
Mind Meld - Interface for teleoperation of robots using VR

Jun 2017 – **Goldman Sachs, Securities Divison**
Aug 2017 *Summer Analyst*
Franchise Analytics - Developed models to detect cyclic patterns in transactions
Systematic Market Making - Optimized low latency communication with exchanges

Jun 2017 – **NovaNano Lab, Villanova University**
Aug 2017 *Research Assistant*
Nanoaquariums - Studied behavior of microbubbles under extreme conditions

Publications

- [5] **Dennis Lee**, Christian Szegedy, Markus N. Rabe, Sarah M. Loos, Kshitij Bansal. *Mathematical Reasoning in Latent Space*. arXiv:1909.11851. Accepted to ICLR 2020 (Oral).
- [4] Jonas Rothfuss*, **Dennis Lee***, Ignasi Clavera*, Tamim Asfour, Pieter Abbeel. *ProMP: Proximal Meta-Policy Search*. International Conference on Learning Representations (ICLR). 2019.
- [3] **Dennis Lee***, Haoran Tang*, Jeffrey O Zhang, Huazhe Xu, Trevor Darrell, Pieter Abbeel. *Modular Architecture for StarCraft II with Deep Reinforcement Learning*. Artificial Intelligence and Interactive Digital Entertainment (AIIDE). 2018.
- [2] **Dennis Lee**. *Ansonia smeagol: Precious Stream-toad*. AmphibiaWeb 2018.
- [1] Tianhao Zhang*, Zoe McCarthy*, Owen Jow, **Dennis Lee**, Xi Chen, Ken Goldberg, Pieter Abbeel. *Deep Imitation Learning for Complex Manipulation Tasks from Virtual Reality Teleoperation*. In International Conference on Robotics and Automation (ICRA). 2018.

Teaching Experience

- Spr 2019 **Berkeley CS188 - Introduction to Artificial Intelligence**
Teaching Assistant
- Taught weekly problem solving sections, held exam reviews
- Spr 2016 **Berkeley CS61A - Structure and Interpretation of Computer Programs**
Tutor
- Held weekly small group sections

Awards and Honors

NSF GRFP Honorable Mention
Dean's List (top 10% of class)
Berkeley EECS Honors Program
Kraft Scholars Award (freshmen with 4.00 GPA)
Eta Kappa Nu (HKN) Honors Society – top 25% of EECS juniors
Collegiate All-West and All-American Archery Teams (top 5 West Coast, top 8 national)