Sam Toyer

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qxcv.net/research 🌐

Education

PhD in Computer Science University of California, Berkeley Advisor: Professor Stuart Russell	2018 - *present*
Bachelor of Advanced Computing (R&D, Honours) Australian National University (ANU)	2014 - 2017

Selected Publications

Visit qxcv.net/pubs for a complete, up-to-date list.

An Empirical Investigation of Representation Learning for Imitation X. Chen,* **S. Toyer**,* C. Wild,* S. Emmons, I. Fischer, K.H. Lee, N. Alex, S.H. Wang, P. Luo, S. Russell, P. Abbeel, R. Shah (2021)	NeurIPS'21 (Datasets and Benchmarks Track)
The MAGICAL Benchmark for Robust Imitation **S. Toyer**, R. Shah, A. Critch, S. Russell (2020)	NeurIPS'20
ASNets: Deep Learning for Generalised Planning **S. Toyer**, F. Trevizan, S. Thiébaux, L. Xie (2020)	JAIR (2020)
Variational Discriminator Bottleneck: Improving Imitation Learning, Inverse RL, and GANs by Constraining Information Flow X.B. Peng, A. Kanazawa, **S. Toyer**, P. Abbeel, S. Levine (2019)	ICLR'19
Action Schema Networks: Generalised Policies with Deep Learning **S. Toyer**, F. Trevizan, S. Thiébaux, L. Xie (2017)	AAAI'18

Employment and Teaching Experience

Research Intern/Visiting Student Researcher, Meta	May 2022 - Dec 2022
Research Engineer, Seesure Pty Ltd	Dec 2017 - Jun 2018
Summer Intern, Australian National University	Nov 2016 - Jan 2017
Tutor (TA), Australian National University	June 2015 - Dec 2017
Summer Intern, Australian National University	Nov 2014 - Jan 2015
Private Tutor, Simply Tuition	June 2014 - Jan 2015

Scholarships and Awards

Tong Leong Lim Pre-Doctoral Prize (Berkeley EECS)	2019
Berkeley Fellowship for Graduate Study (Berkeley)	2018
Erin Brent Computer Science Prize (ANU CECS)	2018
University Medal (ANU)	2017
CECS Citation for Outstanding Contribution to Student Learning (ANU CECS) (joint award with Stephen Gould, Mark Reid, Armin Haller and Jeffrey Fisher)	2016
Google Prize for Computer Science (ANU CECS)	2016
CECS Dean's List (ANU)	2014
Boyapati Computer Science & Mathematics Prize for First Year (ANU)	2014
National University Scholarship (ANU)	2014 - 2017
Australian Student Prize (Aus. Gov.)	2013