

SAM TOYER

Berkeley, USA 

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qxcv.net/research 

EDUCATION

PhD in Computer Science

University of California, Berkeley

Advisor: Professor Stuart Russell

2018 - 2024
(expected)

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.

Tensor Trust: Interpretable Prompt Injection Attacks from an Online Game

S. Toyer, O. Watkins, E.A. Mendes, J. Svegliato, L. Bailey, T. Wang, I. Ong, K. Elmaaroufi, P. Abbeel, T. Darrell, A. Ritter, S. Russell (2023)

Under review

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 & Tutor (TA), Australian National University

Nov 2014 - Jan 2017

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