Kaylee Burns

kayburns@stanford.edu
kayburns.github.io

Education

Ph.D. Computer Science, Stanford University

2019 - Present

Advised in rotations by Professors Chelsea Finn, Dan Yamins, and Fei-Fei Li.

M.S. EECS, University of California, Berkeley

2018 - 2019

GPA 4.0. Advised by Professor Trevor Darrell.

**B.A. Computer Science and Cognitive Science,
University of California, Berkeley**

2014 - 2018

GPA 3.93. Advised by Professors Tom Griffiths and Trevor Darrell. Coursework in artificial intelligence, linear algebra, probability, algorithms, optimization, operating systems, linguistics, neuroscience, psychology, etc.

Involvement

Teaching Assistant, University of California, Berkeley

EE 126, Probability and Random Processes. 2018

CS 70, Discrete Math and Probability Theory. 2017

CS 61B, Data Structures and Algorithms. 2017, 2016

**External Vice President,
Cognitive Science Student Association at UC Berkeley**

2017 - 2018

Organized the California Cognitive Science Conference, which is an annual event attended by several hundred guests and 7 acclaimed speakers from a breadth of disciplines. Founded an alumni network of over 400 members. Created a semi-annual digital newsletter by partnering with faculty and recruiting content creators.

Experience

Software Engineering Intern, IBM. 2017

Research Assistant, Knight Cognitive Neuroscience Lab. 2015-2016

Professional

Organizer

Bridging AI and Cognitive Science (BAICS) Workshop at ICML. 2020

Reviewer

European Conference on Computer Vision (ECCV). 2020

International Conference on Learning Representations (ICLR). 2020

North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT). 2019

Awards

Jim and Donna Gray Award. 2017
Helen Tomasini Scholarship. 2017
Guerra Kung Scholarship. 2017

Publications

Kaylee Burns, Aida Nematzadeh, Erin Grant, Alison Gopnik, and Tom Griffiths. "Exploiting Attention to Reveal Shortcomings in Memory Models." In *Analyzing and Interpreting Neural Networks for NLP Workshop at EMNLP 2018.*

Anna Rohrbach*, Lisa Anne Hendricks*, **Kaylee Burns**, Trevor Darrell, and Kate Saenko. "Object Hallucination in Image Captioning." In *Empirical Methods in Natural Language Processing (EMNLP)*, 2018.

Aida Nematzadeh, **Kaylee Burns**, Erin Grant, Alison Gopnik, & Tom Griffiths. (2018). "Evaluating theory of mind in question answering." In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing (EMNLP, Oral)*, Brussels, October 2018.

Lisa Anne Hendricks*, **Kaylee Burns***, Kate Saenko, Trevor Darrell, Anna Rohrbach. "Women also Snowboard: Overcoming Bias in Captioning Models." In *European Conference of Computer Vision (ECCV)*, 2018.