

Samuel A. Barnett

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EDUCATION

- **Princeton University** Princeton, NJ
PhD candidate, Master of Arts, Dept. of Computer Science; Daniel M. Sachs Scholar Sep. 2018 – Present
- **University of Oxford** Oxford, UK
Master of Mathematics and Philosophy; First Class; Avg. Mark: 79 Oct. 2014 – Jul. 2018
- **Ilford County High School** London, UK
*5 A*s at A Level, 1 A at AS Level, 13 A*s at GCSE* Sep. 2007 – Jul. 2014

PAPERS

- **Samuel A. Barnett**, Thomas L. Griffiths, Robert D. Hawkins. (2022). *A pragmatic account of the weak evidence effect*. Open Mind, pp. 1-14.
- **Samuel A. Barnett**, Ida Momennejad. 2022. *PARSR: Priority-Adjusted Replay for Successor Representations*. In 5th Multidisciplinary Conference on Reinforcement Learning and Decision Making (RLDM 2022), pp. 80-85.
- Arthur Juliani, **Samuel A. Barnett**, Brandon Davis, Margaret Sereno, Ida Momennejad. 2022. *Neuro-Nav: A Library for Neurally-Plausible Reinforcement Learning*. In 5th Multidisciplinary Conference on Reinforcement Learning and Decision Making (RLDM 2022), pp. 290-294.
- **Samuel A. Barnett**. 2018. *Convergence Problems in Generative Adversarial Networks (GANS)* (Master's dissertation). University of Oxford.
- **Samuel A. Barnett**. 2018. *What decision theory provides the best procedure for identifying the best action available to a given artificially intelligent system?* (Master's thesis). University of Oxford.

TEACHING EXPERIENCE

- **COS 324** Princeton University
Introduction to Machine Learning Fall 2020 - Spring 2021

WORK EXPERIENCE

- **Rosemark** Princeton, NJ
Machine Learning Research Scientist Mar. 2022 -
- **Microsoft Research** New York, NY
Machine Learning Intern Jun. 2021 - Sep. 2021
- **Machine Intelligence Research Institute** Berkeley, CA
AI Summer Fellow Sep. 2017
- **Mathematical Institute** Oxford, UK
Summer Researcher Jul. 2017 – Aug. 2017
- **Weizmann Institute** Rehovot, Israel
Researcher Jun. 2014 – Jul. 2014

AWARDS

- **Part B Gibbs Prize**: Highest mark in third-year Mathematics and Philosophy (Philosophy papers).
- **Faculty of Philosophy Prize**: Highest mark in Prelims Mathematics and Philosophy (Philosophy papers).
- **Scholarship at Worcester College**: Received for performance in Prelims examinations.

PROGRAMMING SKILLS

- **Languages**: Python, Julia, JavaScript, and WebPPL.
- **Coursera**: Machine Learning, Deep Learning Specialisation.