

Scott Jeen

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Education

Ph.D in Machine Learning & Energy Efficiency 2020 – Present
University of Cambridge
Supervisor(s): Dr Jonathan Cullen and Professor Srinivasan Keshav

M.Phil in Engineering for Sustainable Development 2018 – 2019
University of Cambridge
Supervisor(s): Professor Julian Allwood
Grade: 75% (5th percentile)

M.Eng in Mechanical Engineering 2013 – 2018
University of Edinburgh
Supervisor(s): Drs Andy Downes, Filipe Teixeira-Dias, Hannah Chalmers
Grade: 1st Class (4th percentile)

Professional History

Doctoral Researcher Oct 2020 – Present
Resource Efficiency Collective, Cambridge, UK
Topic(s): Deep reinforcement learning, bayesian nonparametrics, demand response.
refficiency.org

Consultant Feb 2020 – Oct 2020
Orbis Advisory, London, UK
Topic(s): Environmental social governance, climate risk, GRESB.

Sustainability Analyst Nov 2020 – Feb 2020
Orbis Advisory, London, UK
Topic(s): Carbon footprinting, CDP disclosures.

Research Assistant Jan 2019 – Sep 2019
UseLess Group, Cambridge, UK
Topic(s): Energy efficiency, material efficiency, systems engineering.
uselessgroup.org

Research Assistant Jan 2018 – Jul 2018
Institute for Bioengineering, Edinburgh, UK
Topic(s): Computer vision, finite element modelling, cancer cell biomechanics.
eng.ed.ac.uk/research/institutes/ibioe

Engineering Intern Jan 2017 – Aug 2017
Mott MacDonald, Edinburgh, UK
Topic(s): Computational fluid dynamics, lifecycle assessments, environmental impact assessments.

Awards & Honors

- EPSRC Ph.D Scholarship [£ 101,000]** 2020 – Present
Awarded to outstanding students pursuing doctoral degrees in science and engineering.
- Scottish International Education Trust Postgraduate Scholarship [£ 2,000]** 2019
Awarded by Sir Sean Connery to outstanding Scots pursuing postgraduate study. 2 awarded per year.
- Cambridge University Full Blue (Golf)** 2019
Awarded to elite university athletes for exceptional sporting achievement.
- Guinness World Record** 2019
Awarded for breaking the record for most children playing piano simultaneously. I designed and built the children's designs.
88pianists.com
- Archangels Investors Postgraduate Academic Scholarship [£ 12,600]** 2018
Awarded for academic excellence and for potential to contribute toward global sustainability.

Leadership

- Sustainability Steering Committee** 2020
The Alan Turing Institute
The Alan Turing Institute have created a platform for industry, academia and policymakers to discuss the role of AI in tackling environmental challenges. I'm the PhD representative on the committee helping to guide future work and events.
- Executive Committee** 2020
Cambridge University Artificial Intelligence Society
Leading on events and sponsorship for CuAI. Organising industry speakers from DeepMind, Google Brain, Microsoft Research and Samsung AI. Developed sponsorship strategy and brochure.
<http://cuai.org.uk/>
- Supervisor** Autumn 2020
4M22: Climate Change Mitigation, University of Cambridge
Supervising 4th year engineering students. Topics include: energy efficiency, material efficiency, and lifecycle assessments.
- President** 2017
Edinburgh University Golf Club
Elected to serve club of 110 members. Grew membership by 20% and commercial revenue by 31%.

Technical Skills

Languages:	Python, MATLAB, SQL
Libraries and Tools:	Tensorflow, Pytorch, Seaborn
Version Control:	Git
Reporting:	L ^A T _E X, beamer
Other Modelling:	EnergyPlus, SolidWorks, Abaqus

Referees provided upon request.

Shout out to Hanno Rein for the great L^AT_EXcoffee stain package!