

Sam Green

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Professional Experience

Founder & CEO, TuringLab (2016-Present)

- Built education platform teaching Python to 15,000+ students weekly in Europe and the Middle East
- Developed an evidence-based platform using human-centred-design patterns alongside extensive user and academic research. Strong accessibility and fairness emphasis with the platform providing teachers with a tool that particularly supports SEND students and typically less engaged CS learners.
- Internationalised for 30,000+ Omani students with support from local experts and translators
- Developed human-in-the-loop AI curriculum generation tool to help create targeted learning materials

ML Lead, Shimmr AI (2023)

- Led research into book summarisation and narrative understanding to help under-supported authors reach a wider audience. Developed human-ai framework enabling domain experts to verify and improve results

Machine Learning Engineer, ProQuo AI (2015)

- Developed systems for processing open-ended surveys inc. sentiment, n-gram and bag of words analysis
- Integrated temporal scoring into surveys to differentiate between spontaneous and deliberative responses

Program Associate, Entrepreneur First (2014)

- Early employee at EF working with computer science graduates to develop human-centred design practices

Academic Leadership

Director, Imperial Codelab, Imperial College London (2016-2018)

- Setup and ran computer science diversity initiative reaching 1,600+ students (15,000+ learning hours)
- Managed team of 84 Computer Science teaching assistants (Undergrads, Postgrads and PhDs)

BEng Supervisor, Imperial College London (2015-2016)

- Supervised distinction-level computer science projects in educational technology

Education

MSc Computer Science (Distinction), Imperial College London (2014-2015)

Thesis (82%): Interactive Visualisation for Neural Network Interpretability

- Developed visualisation tool for understanding DNN behavior during model training
- Combined dimensionality reduction techniques (t-sne, pca) with varimax rotation to enable 2D NN interrogation

Practical Coursework

- Developed Simultaneous Localisation and Mapping (SLAM) system using probabilistic state estimation with Monte Carlo localisation methods for robot navigation in maze environments

BA(Hons) Architecture (Exhibitioners Scholar), University of Cambridge (2010-2013)

Thesis: Quantitative and Qualitative Approaches for Design Evaluation

- Survey of social, economic, environmental and phenomenological aspects of building design evaluation

Portfolio project

- Designed affordable, medium-density social housing typology aimed as fostering a sense of community