NEIL NATARAJAN

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EDUCATION

University of Oxford, Oxford UK   September 2021 – June 2025 (Expected)
Doctorate of Philosophy (PhD or DPhil) in Computer Science

- Study Area: using AI systems alongside human collaborators to perform tasks better than either humans or AIs can alone. Specialty in the design and evaluation of explainable AI systems and the use of human-machine collaboration in recruiting and selecting talented groups of people.
- Relevant Coursework: Ethical Computing in Practice

University of Oxford, Oxford UK   September 2017 – June 2021
Undergraduate Masters of Computer Science and Philosophy   **First Class**

- Master's Thesis: Justifying Algorithmic Decisions: The influence on perceptions of justice in algorithmic decision-making
- Relevant Coursework: Artificial Intelligence, Machine Learning, Advanced Topics in Machine Learning, Computational Learning Theory, Philosophical Logic, Elements of Deductive Logic, The Philosophy of Logic and Language, Philosophy of Cognitive Science

EXPERIENCE

Balliol College, Oxford, UK   September 2022 – Present
Stipendiary Lecturer
- Teaching first- and second-year computer science courses
- Giving tutorials in the Oxford style; Oxford tutorials are a one-on-one or two-on-one meeting between teacher and student(s), with problem sets presented in advanced and used as material for discussion

Schmidt Futures, New York, USA (Remote)   January 2022 – Present
Research and Data Science Consultant on Rise
- Building an algorithm to evaluate applicants over the course of the selection process
- Working with the Rise selection team to provide data analytics and insight into the selection process
- Implementing research on AI-assisted pre-screening of candidates
- Implementing research on measuring the frontier between high-performing and diverse cohorts

Act 2, Remote   December 2021 – August 2022
Consultant, Inflection Point
- Helping people at professional inflection points transition to something value-oriented
- Ran Inflection Point program as a part of Schmidt Futures' Act 2 program

Inflection Point, Remote   September 2021 – December 2021
Cofounder
- Helping people at professional inflection points transition to something value-oriented
- Received a grant from Schmidt Futures to run a concierge service

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BigID Inc, Tel Aviv, Israel (Remote)   January 2021 – September 2021
Machine Learning and Data Science Intern
- Conducted research into Explainable Machine Learning
- Developed an algorithm to explain BigID's random forest classifier
- Refactored BigID's Named Entity Recognition module to allow customers to use custom models

Babbel Inc, New York, USA   July 2019 – September 2019
Front End Engineering Intern
- Maintained the Babbel Magazine codebase, which supports Babbel's main web-based marketing, using ReactJS, HTML, and CSS
- Created landing and interstitial pages for promotional user flows
- Wrote an article entitled "On the Hunt for the Fastest CI Service," available on the Babbel tech blog

Oxford Economics, Oxford, UK   April 2019 – May 2019
AI and Machine Learning Intern
- Taught a course in Machine Learning to the Oxford Economics software development team
- Built Web Scraping and Natural Language Processing tools to extract data from published economic forecasting reports

AWARDS

Gibbs Prize in Preliminary Examinations   2018
- Awarded to one student ranked first in their year for their subject in first year

Proxime Accessit to Gibbs Prize in First Higher Examination   2020
- Awarded to one student ranked second in their year for their subject in second and third year

PUBLICATIONS

Neil Natarajan, Jun Zhao, Reuben Binns, and Nigel Shadbolt. 2022. "Trust Explanations to Do What They Say." In *Workshop on Human-Centered AI at NeurIPS 2022*. https://hcai-at-neurips.github.io/site/program.html.