

# NEIL NATARAJAN

Oxford UK  
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## EDUCATION

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**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

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**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)  
*Machine Learning and Data Science Intern*

January 2021 – September 2021

- 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  
*Front End Engineering Intern*

July 2019 – September 2019

- 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  
*AI and Machine Learning Intern*

April 2019 – May 2019

- 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

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**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

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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>.