RACHEL FREEDMAN

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EDUCATION

2019-	**PhD student in Artificial Intelligence,** *University of California Berkeley*	
2013-2017	Computer Science/Psychology BA, *Duke University*	**3.93 GPA**

Designed interdepartmental major entitled "Artificial Intelligence Systems," combining computer science, psychology, neuroscience and philosophy to explore interdisciplinary perspectives on artificial intelligence

2015-2016	Registered Visiting Student, *Oxford University*	**3.93 GPA**

· Completed 9 courses in computer science and philosophy taught by Oxford professors over the course of 3 terms
· Co-founded existential risk research discussion society that met weekly in the Oxford Future of Humanity Institute

2011-2017	Part-Time Student, *UNC Chapel Hill*	**4.00 GPA**

Completed 10 courses while in high school and as required by the Robertson Scholarship

PUBLICATIONS

Rachel Freedman, Jana Schaich Borg, Walter Sinnott-Armstrong, John Dickerson, and Vincent Conitzer. Adapting a Kidney Exchange Algorithm to Align with Human Values. In *Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18)*, New Orleans, LA, USA, 2018. **Outstanding Student Paper Honorable Mention**.

HONORS

2019	**EECS Excellence Award**, *University of California Berkeley*
2018	**Outstanding Student Paper Honorable Mention**, *AAAI 2018*
2017	**Phi Beta Kappa**, *Duke University*
2017	***Magna Cum Laude***, *Duke University*
2017	**High Distinction in Computer Science**, *Duke University*
2017	**Rhodes Scholarship Finalist**, *Rhodes Trust*
2013-2017	**Robertson Scholarship**, *Robertson Scholarship Leadership Program*

· The Robertson Scholars Leadership Program "invests in young leaders who strive to make transformational contributions to society," awarding four years of full tuition, room and board, and project funding.

2013-2016	**Thomas J. Watson Memorial Scholarship**, *IBM*
2013	**President's Volunteer Service Award Gold**, *US Government*

WORK AND RESEARCH

2017-2019   **Software Engineer**, *Galatea Associates (London, UK)*

· Develop complex technological solutions for major financial institutions as part of a small international team
· Technologies used: Java, Maven, Spring, SQL, Geneos, Git

2016-2017   **Moral AI Researcher**, *Duke University (Durham, US)*

· Conducted a year-long independent research project using computer science and psychology methodologies in the field of artificial morality
· Adapted a kidney exchange algorithm to align with human values by modeling underlying frameworks in human responses to moral dilemmas
· I was awarded High Distinction for my thesis research in this field. This work was presented and published at AAAI 2018, where it won Outstanding Student Paper Honorable Mention, and presented as a poster at AIES 2018 and MD4SG 2018.

2015 summer   **Software Engineering Intern**, *Microsoft (Seattle, US)*

· Collaborated with team of interns to build a data visualization service for use by Skype management
· Technologies used: C#, Visual Studio

SERVICE AND LEADERSHIP

2015-2016   **Co-founder and President**, *Oxford Existential Risk Society (Oxford, UK)*

· Co-founded society that grew to 25+ students, academics, and community members who met weekly at the Oxford Future of Humanity Institute to discuss academic papers, philosophical arguments, and technologies
· Introduced members to existential risk, prompted them to consider their career's impact on specific risks, and facilitated meaningful discussion between individuals of varied academic backgrounds
· Recruited speakers from Machine Intelligence Research Institute, Oxford Future of Humanity Institute, and MIT
· Advised students founding similar groups at Princeton and Cambridge

2014 summer   **Publicist**, *Mississippi Summer Arts Institute (Cleveland, MS)*

· Volunteered 40-60 hours/week to support creative opportunities for rural Mississippi students ages 5 - 18

2011-2013   **Tutor**, John Avery Boys and Girls Club (Durham, US)

· Tutored at-risk elementary school students weekly, designed and implemented a self-confidence intervention based on my social psychological coursework
· Awarded President's Service Award Gold for my work