

# MARK BEDAYWI

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## EDUCATION

### University of California, Berkeley

PhD in Computer Science

Advised by [Nika Haghtalab](#) and [Stuart Russell](#)

Berkeley, CA  
Aug 2024 – May 2029 (Expected)

### University of Toronto

Honors Bachelors of Science *GPA: 3.97*

Specialist in Computer Science and Major in Mathematics

Focus in Artificial Intelligence and the Theory of Computing

Recipient of \$25,000 in scholarships and \$8,000 in grants

Toronto, ON  
Sep 2020 – Jun 2024

## MANUSCRIPTS

### Algorithms for Emergent Communication

Nivasini Ananthakrishnan, Mark Bedaywi, Michael I. Jordan, Stuart Russell, Nika Haghtalab

[Link to Paper](#)

## PUBLICATIONS

### Will an AI with Private Information Allow Itself to Be Switched Off?

Andrew Garber, Rohan Subramani, Linus Luu, Mark Bedaywi, Stuart Russell, Scott Emmons

AAAI Conference on Artificial Intelligence, AI Alignment Track 2025 [Link to Paper](#)

### The Distortion of Public-Spirited Participatory Budgeting

Mark Bedaywi, Bailey Flanigan, Mohamad Latifian, Nisarg Shah

AAAI Conference on Artificial Intelligence 2025 [Link to Paper](#)

### PID Accelerated Temporal Difference Algorithms

Mark Bedaywi, Amin Rakhsha, Amir-massoud Farahmand

Reinforcement Learning Conference (RLC) 2024 [Link to Paper](#)

## SCHOLARSHIPS, AWARDS, AND HONOURS

### Finalist, Outstanding Undergraduate Researcher Award

2023

Awarded by the Computing Research Association to the top undergraduate computer science researchers in North America. Finalist is awarded to the top 20.

### NSERC Undergraduate Student Research Award

2023

Awarded by the National Science and Engineering Research Council of Canada to support undergraduate research.

### Four Time Dean's List Scholar

2021 – 2024

Awarded on the basis of GPA.

### University of Toronto Computer Science Scholarships

2024

Awarded the Kay Baxter Memorial Award and the Daniel Berlin Scholarship for top performing computer science students on the basis of GPA.

### Victoria College In-Course Scholarships

2021 – 2023

Awarded the Friends Of Victoria University Library Scholarship, the Louis R Charpentier Scholarship, and the Katherine St John Scholarship on the basis of GPA.

### University of Toronto Scholar – Beatty

2022

Given to the top performing students in the University of Toronto's Faculty of Arts and Science.

### University of Toronto Scholar – Entrance Scholarship

2020

Given to the top 10% of students entering the University of Toronto's Faculty of Arts and Science.

## COMMUNITY SERVICE

President of the CS Undergraduate Theory Society at the University of Toronto.

Fall 2023 – Fall 2024

## TEACHING

### Course Content Editor and Developer

Toronto, ON

*Department of Computer Science, University of Toronto*

Summer 2021

- Assisted in the preparation and revision of course materials for blended offerings of introductory computer science courses.
- Coordinated with faculty instructors in the creation and editing of online content.