Hermish Mehta

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Education

University of California, Berkeley *Berkeley, California* [2021]
- B.S. Electrical Engineering & Computer Sciences; Engineering Mathematics & Statistics
- College of Engineering Dean's Honors list, 4.0 GPA

University of Toronto *Toronto, Ontario* [2017]
- Undergraduate Mathematics and Computer Science, 4.0 GPA
- Classes taken while in high-school, see below

University of Toronto Schools *Toronto, Ontario* [2017]

Publications

Asterisks indicate equal contribution.

CONFERENCE PAPERS

1. {Under Review} **Mehta, H.***, Dubey, R.*, & Lombrozo, T. (2018). Your liking is my curiosity: a social popularity intervention to induce curiosity. Submitted to the *40th Annual Conference of the Cognitive Science Society.*

Research Experience

Computational Cognitive Science Lab [2018]
University of California, Berkeley · Berkeley, California
- Studying rational models of curiosity and belief change to develop insights about cognitive phenomena
- Collecting and cleaning real-world data with Python and R to quantitatively inform cognitive models
- Applying statistical methods to analyze Big Data from online user interactions

Concepts and Cognition Lab [2018]
University of California, Berkeley · Berkeley, California
- Studying curiosity as a psychological phenomenon and its interplay with an individual's social context
- Designing, administrating and evaluating web-based studies created with NodeJs, HTML and CSS
- Publication submitted to the 40th Annual Conference of the Cognitive Science Society (first first author)

Department of Psychology [2017]
University of Toronto · Toronto, Ontario
- Studied potential evidence-based positive education interventions under Dr. Jeffrey Graham
- Analyzing student research data using R, Python and SPSS
- Developed and refined predictive models of student performance using Scikit-Learn

Industry Experience

CodeBase Berkeley *Berkeley, California* [2018]
Software Developer
- Working with Bay Area start-ups, Riffyn and Polymorph, to develop projects for clients
- Built an intuitive UI in Dash (Python) for users to visualize and perform multivariate regressions
- Exploring data analytics and machine learning to improve ad-pricing decisions

Parlay Ideas and AvatarMe *Toronto, Ontario* [2016]
Developer and Research Intern
- Researched education technology to design a virtual environment to gamify education
- Implemented a live twitter feed into the game, programmed with Unity and C sharp
- Prototyped an Amazon Aws noSQL database transition with engineers

Awards & Honors

INTERNATIONAL ACADEMIC HONORS

1. **International Chemistry Olympiad** *Nakhon Pathom, Thailand* [2017]
   Silver Medalist and Team Captain
2. **International Chemistry Olympiad** *Tbilisi, Georgia* [2016]
   Invited, Canada did not Participate

NATIONAL ACADEMIC HONORS

1. **National Biology Contest** Ninth Place [2017]
2. **Canadian Chemistry Contest** First Place [2016]

Classes

University of California, Berkeley
Berkeley, California
- [Spring 2018] Psychology 290q, Cognitive Development for Computer Scientists (Graduate)
- [Spring 2018] Statistics 134, Concepts of Probability
- [Spring 2018] Math 110, Linear Algebra
- [Spring 2018] Computer Science 170, Efficient Algorithms and Intractable Problems
- [Spring 2018] Computer Science 61b, Data Structures
- [Fall 2017] [A+] Computer Science 70, Discrete Mathematics and Probability Theory
- [Fall 2017] [A+] Computer Science 61a, The Structure and Interpretation of Computer Programs
- [Fall 2017] [A+] Electrical Engineering 16a, Designing Information Devices and Systems I

University of Toronto
Toronto, Ontario
- [Summer 2014] [A+] Math 223, Linear Algebra I
- [Fall 2016] [A+] Math 232, Calculus of Several Variables
- [Summer 2015] [A+] Math 135, Calculus
- [Fall 2015] [A+] Computer Science 108, Introduction to Computer Programming
- [Summer 2013] [A+] Math 102, Introduction to Mathematical Proofs

Teaching Experience

Computer Science Mentors
University of California, Berkeley · Berkeley, California
- [Spring 2018] Computer Science 70, Discrete Math & Probability Theory

Facilitated Study Group Leader
University of Toronto · Toronto, Ontario
- [Spring 2017] Math 102, Introduction to Mathematical Proofs
- [Fall 2016] Math 102, Introduction to Mathematical Proofs
- [Fall 2016] Math 135, Calculus
- [Spring 2016] Math 102, Introduction to Mathematical Proofs
- [Fall 2015] Math 102, Introduction to Mathematical Proofs
- [Fall 2015] Economics 100, Introduction to Economics