

Hermish Mehta

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Education

2017 University of California, Berkeley

- Pursuing a B.S. in Computer Science and Engineering (EECS)
- Expected Graduation in 2021

2013–17 University of Toronto: Part-Time, 4.0 GPA

2013–17 University of Toronto Schools

Current Positions

2017 *Research Assistant* at the University of Toronto

- Examining student learning and performance through quantitative methods
- Analyzing data using R, Python and SPSS under Dr. Jeffrey Graham
- Applying machine learning to model learning and accurately predict student outcomes

Experience

2016–17 *Student Outreach Coordinator* at the University of Toronto Schools

- Organized fundraising and outreach initiatives, and managed volunteers
- Raised almost \$8000 for Toronto-based charity Second Harvest
- Applied technical experience with social media strategy and graphic design

2013–17 *Facilitated Study Group Leader* at University of Toronto Mississauga

- Helped students review material and develop effective study routines
- Led study group sessions for two courses: Introduction to Mathematical Proofs and Calculus
- Prepared weekly lesson plans and handouts, along with a series of notes

2016 *Developer and Research Intern* at Parlay Ideas

- Explored a noSQL database transition strategy for the education startup
- Participated in scrums, strategy sessions, and long-term planning meetings
- Quantified value and explored directions through impact research

2016 *Technical Intern* at AvatarMe

- Contributed to developing a minimum viable product for the startup
- Helped to build a virtual environment to gamify education
- Programming with Unity and C sharp, implemented a live twitter feed

Awards & Honours

2017 *Silver Medalist* at the International Chemistry Olympiad

- Canadian team captain in the Fiftieth IChO
- Topics included organic, physical and inorganic chemistry
- Significant theoretical and practical (synthetic and analytical) experience

2016 *First Place* at the International Career Development Conference

Projects

2017 Independent *computational chemistry* work at the University of Toronto

- Learned the fundamentals of computational chemistry with the guidance of Dr. Ulrich Fekl
- Ran geometry optimizations with simple inorganic molecules, producing resources to help illustrate chemical concepts
- Familiarity with GAMESS, ChemCraft and Avogadro

2017 Developed the *DineSafe Toolkit*, a Toronto Open Data toolkit

- Implemented an API to gather and analyze City of Toronto data
- Ran sample scripts to analyze the data using R
- Pitched the project to the City during in a competition, winning first

2016–2017 Contributed to *Courseography* from the University of Toronto

- A website to help undergraduate students plan their program
- Helped port the user interface of Courseography to React
- Made some minor improvements to the user interface with Haskell