HERMISH MEHTA

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- EDUCATION -

University of California, Berkeley 2017
- B.S. Computer Science and Engineering (EECS), Exp. Grad. May 2021
- Courses: *Introduction to Computer Science*, *Designing Information Systems,* and *Discrete Math & Probability Theory*

University of Toronto 4.0 GPA (non-degree, part-time) '13–2017

- EXPERIENCE -

Research Assistant at the *University of Toronto* 2017
- Developing and refining predictive models of student learning and performance
- Analyzing research data using R, Python and SPSS under Dr. Jeffrey Graham
- Applying supervised machine learning and clustering algorithms with TensorFlow

Facilitated Study Group Leader at the *University of Toronto Mississauga* '13-2017
- Helped guide university students to review and master material in courses
- Instructed 10 students twice weekly in *Introduction to Mathematical Proofs* and *Calculus*
- Developed teaching handouts and a series of notes, available as a book on my website

Developer and Research Intern at *Parlay Ideas* 2016
- Explored a noSQL database transition, recommending Amazon AWS
- Worked with engineers in strategy sessions to outline and implement the switch
- Quantified product value and examined education literature to suggest directions

Technical Intern at *AvatarMe* 2016
- Contributed to developing a minimum viable product for the Toronto startup
- Helped to design and build an interactive, virtual environment to gamify education
- Programmed with Unity and C sharp to implemented a live twitter feed

- PROJECTS -

DineSafe Toolkit, available on GitHub 2017
- Implemented an API to gather Toronto open data, creating a online database to query
- Data reshaped and analyzed using R libraries
- Entry in the Toronto Data Project competition, winning first for best idea and pitch

Computational Chemistry Work at the *University of Toronto* 2017
- Ran Hartree-Fock and perturbation theory algorithms to estimate quantum states
- Exposure to GAMESS, ChemCraft and Avogadro and scientific computing clusters

Courseography at the *University of Toronto* 2016
- Helped port the website, an app to help undergrads plan their degree, to ReactJS

- HONORS & BACKGROUND -

Silver Medalist at the *International Chemistry Olympiad* 2017
First Pace at the *DECA International Career Development Conference* 2015

Background: Python, Java, LaTeX, R, SPSS, Git, Javascript, Bash
Additional Coursework: Johns Hopkins *R Programming,* Stanford *Algorithms I & II*