

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 *Mathematical Proofs* and *Calculus* courses
 - 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*