

HERMISH MEHTA

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EDUCATION	University of California, Berkeley 4.0 GPA	SEPT. 2017– [code]
	<ul style="list-style-type: none">• B.S. Electrical Engineering & Computer Sciences, Expected Graduation May 2021• Courses: <i>Data Structures, Algorithms II, Discrete Math & Probability Theory, Linear Algebra II, Calculus II</i>	
	University of Toronto 4.0 GPA	AUG. 2013– MAY 2017
	<ul style="list-style-type: none">• Mathematics and Computer Science, concurrent enrolment in high-school	
EXPERIENCE	Computational Cognitive Science Lab at Berkeley <i>Research Assistant</i>	SEPT. 2017– [code]
	<ul style="list-style-type: none">• 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 in Tom Griffith's lab• Designing, administrating and evaluating web-based studies created in JavaScript, HTML and CSS	
	CodeBase at Berkeley <i>Developer</i>	SEPT. 2017–
	<ul style="list-style-type: none">• Working in Dash (Python) to develop a web app for scientific data visualization• Designing an intuitive UI for users to upload and view the results of statistical analyses in real-time• Interacting with back-end data analytics using statistical libraries in Python such as Pandas	
	University of Toronto, Department of Psychology <i>Research Assistant</i>	JUL. 2017– [code]
	<ul style="list-style-type: none">• Developing and refining predictive models of student learning and performance• Analyzing research data using R, Python and SPSS under Dr. Jeffrey Graham• Applying preliminary supervised machine learning and clustering algorithms with TensorFlow	
	University of Toronto Mississauga <i>Facilitated Study Group Leader</i>	SEPT. 2015– MAY 2017 [notes]
	<ul style="list-style-type: none">• Instructed 10 university students twice weekly in Mathematical Proofs and Calculus courses• Developed teaching handouts and a series of notes, available as a book on my website	
	Parlay Ideas and AvatarMe <i>Developer and Research Intern</i>	AUG. 2016– DEC. 2016
	<ul style="list-style-type: none">• Helped to design and build an interactive, virtual environment to gamify education• Programmed with Unity and C sharp to implemented a live twitter feed• Prototyped a noSQL database transition with engineers, switching to Amazon AWS	
PROJECTS	AirBnB Optimization <i>A Web Application</i>	NOV. 2017 [app] [code]
	<ul style="list-style-type: none">• Designed and deployed a data-focused web application to visualize AirBnB price data in the Bay Area• Created a simple cluster-based statistical model to predict AirBnB prices as a function of geography• Analyzed data in Python and R, with a Dash, Flask and Plotly front-end	
	Rover <i>A Web Application</i>	OCT. 2017 [code]
	<ul style="list-style-type: none">• Created a simple web application using CherryPy, a pythonic HTTP framework• Used the Google Cloud Computing platform API to transcribe speech and maintain user data• Applied natural language processing techniques to deliver intelligent user recommendations	
	DineSafe ToolKit <i>A Data Toolkit</i>	MAY. 2017 [code]
	<ul style="list-style-type: none">• Developed a toolkit to gather Toronto open data, creating an online database to query• Implemented a noSQL database by using MongoDB and created a proof-of-concept Android app• Reshaped and analyzed data using R libraries; project presented to the City of Toronto	
	Courseography <i>A Student Website</i>	JUL. 2016 [app]
	<ul style="list-style-type: none">• Helped port a component of the website to ReactJS while preserving functionality• Learned Haskell to make simple UI/UX changes through generating CSS	
MISC.	International Chemistry Olympiad <i>Team Captain & Silver Medalist</i>	JUL. 2017
	Invited to participate in the CapitalOne Software Engineering Summit Experience with Python, Java, Git, LaTeX, R, Javascript, ReactJS, SPSS, Bash	