

HERMISH MEHTA

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EDUCATION	University of California, Berkeley 4.0/4.0 GPA <ul style="list-style-type: none">B.S. Electrical Engineering & Computer Sciences; Engineering Mathematics & StatisticsCourses: <i>Algorithms II, Data Structures, Discrete Math & Probability Theory, Linear Algebra II, Calculus II</i>	SEPT 2017 → MAY 2021 [code]
	University of Toronto 4.0/4.0 GPA <ul style="list-style-type: none">Mathematics and Computer Science classes taken while in high-school	AUG 2013 → MAY 2017
EXPERIENCE	Berkeley Computational Cognitive Science Lab <i>Research Assistant</i> <ul style="list-style-type: none">Collecting and analyzing real-world Big Data with Python to inform cognitive models in Tom Griffith's labDesigning, administrating and evaluating web-based studies created with NodeJs, HTML and CSSSubmitted co-first-authored paper to the 40th Annual Conference of the Cognitive Science Society titled <i>Your liking is my curiosity: a social popularity intervention to induce curiosity</i>	SEPT 2017 → PRES [code] [code]
	CodeBase Berkeley <i>Software Developer</i> <ul style="list-style-type: none">Working with Bay Area start-ups, Riffyn and Polymorph, to develop projects for clientsBuilt an intuitive UI in Dash (Python) for users to visualize and perform multivariate regressionsExploring data analytics and machine learning to improve ad-pricing decisions	SEPT. 2017 → PRES [code]
	University of Toronto, Department of Psychology <i>Research Assistant</i> <ul style="list-style-type: none">Studied potential evidence-based positive education interventions under Dr. Jeffrey GrahamAnalyzing student research data using R, Python and SPSSDeveloped and refined predictive models of student performance using Scikit-Learn	JUL. 2017 → AUG. 2017
	University of Toronto Mississauga <i>Facilitated Study Group Leader</i> <ul style="list-style-type: none">Instructed 10 university students twice weekly in Mathematical Proofs and Calculus coursesDeveloped teaching handouts and a series of notes, available as a book on my website	SEPT 2015 → MAY 2017 [notes] [code]
	Parlay Ideas and AvatarMe <i>Developer and Research Intern</i> <ul style="list-style-type: none">Researched education technology to design a virtual environment to gamify educationImplemented a live twitter feed into the game, programmed with Unity and C sharpPrototyped an Amazon AWS noSQL database transition with engineers	AUG 2016 → DEC 2016
PROJECTS	Fiscal Responsibility <i>An iOS Application</i> <ul style="list-style-type: none">Designed an iOS using swift during the CapitalOne Software Engineering SummitInterfaced with the CapitalOne and MapKit APIs to create a dynamic app for CapitalOne's ecosystem	JAN 2018 [code]
	AirBnB Optimization <i>A Web Application</i> <ul style="list-style-type: none">Designed and deployed a data-focused web application to visualize AirBnB price data in the Bay AreaCreated a simple cluster-based statistical model to predict AirBnB prices as a function of geographyAnalyzed data in Python and R, with a Dash, Flask and Plotly front-end	NOV 2017 [app] [code]
	Rover <i>A Web Application</i> <ul style="list-style-type: none">Created a simple web application using CherryPy, a pythonic HTTP frameworkUsed the Google Cloud Computing platform API to transcribe speech and maintain user dataApplied natural language processing techniques to deliver intelligent user recommendations	OCT 2017 [code]
	Courseography <i>A Student Website</i> <ul style="list-style-type: none">Helped port a component of the website to ReactJS while preserving functionalityLearned Haskell to make simple UI/UX changes through generating CSS	JUL 2016 [app] [code]
MISC.	International Chemistry Olympiad <i>Team Captain & Silver Medalist</i> <i>Invited to the CapitalOne Software Engineering Summit</i> <i>College of Engineering Dean's Honors List</i> <i>Experience with Python, Java, Git, LaTeX, JavaScript, Swift R, ReactJs, Bash</i>	JUL 2017 JAN 2018 JAN 2018