EVAN	TEY 5	ey@mit.edu 12–905–8664	in Ω evantey14 evantey.me
EDUCATION	Massachusetts Institute of Technology		
	Candidate for M. Eng. in Computer Science $-5.0/5.0$		June 2020
_	B.S. in Physics and Computer Science – 4.7/5.0		June 2019
Experience	Generative Model for Stellar Spectra – Researcher, MIT • todo		Mar '19 – present
	Kensho − Part-Time Software Engineer • todo		Spring '19
	 Project Invent – Winter Extern Worked at an early-stage non-profit to bring across the country 	g invention education to teachers and students	Jan '19
	• Contributed to program design, strategy n	neetings, and fundraising development	
	Bayesian Modeling of Supernovae – Researcher, Imperial College London • Developed and tested a hierarchical Bayesian model for selection effects in supernovae lightcurves to better infer parameters about our universe		Summer '18
	NuSTAR X-Ray Analysis of the Galactic of Analyzed high energy spectra near the Galactic dark matter candidates with Python, Sher	alactic Center to characterize and constrain	Sep '17 – Jun '18
	MIT Office of Open Learning – Data Science • Prepared a student feedback tool for instruing impacts student behavior with Flask and O	actors to experiment on how various feedback	Jun '17 – Jan '18
	 Indeed – Software Engineer Intern Created a predictive data-driven decision-region job result pages with Java, Hadoop, Pig L 		Summer '16
	 Mathworks at Texas State University – Hoto Counseled a group of four high school stude Ran additional review sessions and assisted Worked with 15 other counselors to maintain 	lents in Combinatorics and Real Analysis d a Mathematica class	Summer '15
	Mathworks at Texas State University – Research Assistant • Characterized negativity in hypergraph structure to enhance our understanding of deficiencies in neural / social / magnetic networks		Summer '14

Projects

Educational Telescope with VR

Spring '18

• Building a real 10" f/5 Dobsonian telescope with additional sensors and a screen to emulate telescope usage for use on cloudy nights

Consensus Spring '16

- Used the design process to lead a team of six in creating a live classroom tool that reduces confusion between students and teachers
- Interviewed teachers, then prototyped and tested several features before developing a simple webapp to track users, questions, and confusion in the classroom

Align Spring '16

 Constructed a device to detect bad posture and give haptic feedback with flex sensors and an Arduino in a team of six

Concrete Convolutional Neural Network Cryptosystem

Fall '16

• Replicated and extended Google Brain's paper Learning to Protect Communications with Adversarial Neural Cryptography with a team of three

• Built a 3D laser scanner to generate and display a point cloud from an object using an • Rendered and allowed interaction with the point cloud through VGA output Pvgmv ProSet Fall '15 • Created a live multiplayer version of the card game ProSet with NodeJS, socket.io, and **JQuery** Fall '14 LASA UIL Study Site • Developed a quizzing website to help novice CS students learn general programming principles • Parsed PDFs of computer science tests to a question database using MongoDB, Javascript, NodeJS, Jade, and JQuery Teaching MIT Undergraduate Mathematics for Computer Science - Graduate TA Sep '19 - present • todo MIT Spokes - Organizer & Participant Summer '19 • Biked across the country and taught STEM workshops at local schools / libraries with seven other MIT students Educational Studies Program - Admin Feb '16 - Jun '19 • Organized programs for middle/high schoolers to take classes from MIT students about anything from Surfboard Design to Quantum Mechanics to European Separatist Move-• Directed Splash (over 2000 students and 500 teachers) through managing a 40 person admin team • Taught classes on astronomy, statistical mechanics, algorithms, and more Feb '16 - Dec '17 Undergraduate Math Department - Peer Tutor • Tutored MIT undergraduates in single- and multi-variable calculus, differential equations, and linear algebra for 4 hours a week MIT Undergraduate Electricity & Magnetism - Undergraduate TA Spring '17 • Coached MIT undergraduates through physics problems for 5 hours a week AP Computer Science - TA Aug '13 - May '14 • Assisted AP Computer Science students during class by creating worksheets and helping students learn how to debug programs Scratch Camp - Cofounder Spring '13 Designed and ran a camp to stimulate computer science interest in Pearce Middle School students AWARDS 8th Int'l Olympiad on Astronomy and Astrophysics - Honorable Mention Aug '14 • Represented the USA in theory, observation, and data analysis exams over ten days in Romania SKILLS Hard: Python, Jupyter, Numpy, Pandas, Tensorflow, Git, Javascript, Node, Java, Linux Soft: Leadership, Data Science, Design Thinking, Rapid Prototyping Interests: Stargazing, Education, Soccer, Food

Fall '16

3D Scanner