Evan	TEY	tey@mit.edu 512–905–8664	in Ω evantey14 evantey.me
EDUCATION WORK	Massachusetts Institute of Technology M. Eng. in Computer Science – 5.0/5.0 B.S. in Physics and Computer Science – 4.7/5.0 Kensho – Part-Time Software Engineer • Laid the foundation for estimating database using database statistics	query costs under Kensho's GraphQL compiler	May 2020 June 2019 Spring '19
	 Project Invent - Winter Extern Worked at an early-stage non-profit to brin across the country Contributed to program design, strategy m 	g invention education to teachers and students eetings, and fundraising development	Jan '19
	 Indeed – Software Engineer Intern ◆ Created a predictive data-driven decision-n job result pages with Java, Hadoop, Pig La 	naking system to increase SEO acquisition for tin, and Git	Summer '16
RESEARCH	Generative Models for Stellar Spectra – Re- • Implemented and experimented with variat stellar spectra models for my Master's thes	ional autoencoders and flow-based networks as	Mar '19 – May '20
	Bayesian Modeling of Supernovae – Research • Developed and tested a hierarchical Bayes lightcurves to better infer parameters about	sian model for selection effects in supernovae	Summer '18
	NuSTAR X-Ray Analysis of the Galactic C • Analyzed high energy spectra near the Galamatter candidates with Python, Sherpa, an	actic Center to characterize and constrain dark	Sep '17 – Jun '18
	MIT Office of Open Learning – Data Science • Prepared a student feedback tool for instruments impacts student behavior with Flask and G	actors to experiment on how various feedback	Jun '17 – Jan '18
	Mathworks at Texas State University – Res • Characterized negativity in hypergraph str ciencies in neural / social / magnetic netwo	ructure to enhance our understanding of defi-	Summer '14
Projects	ProSet proset.evantey.me • Created a websocket-based multiplayer verse press, React, and Node	sion of the card game ProSet with Mongo, Ex-	Summer '20
	Educational Telescope with VR • Building a real 10" f/5 Dobsonian telescope telescope usage for use on cloudy nights	with additional sensors and a screen to emulate	Spring '18
	confusion between students and teachers	x in creating a live classroom tool that reduces tested several features before developing a sim- confusion in the classroom	Spring '16
	Align • Constructed a device to detect had posture	and give hantic foodback with flow concors and	Spring '16

• Constructed a device to detect bad posture and give haptic feedback with flex sensors and

ullet Replicated and extended Google Brain's paper Learning to Protect Communications with

Fall '16

an Arduino in a team of six

Concrete Convolutional Neural Network Cryptosystem

 $Adversarial\ Neural\ Cryptography\ with\ a\ team\ of\ three$

• Built a 3D laser scanner to generate and display a point cloud from an object using an **FPGA** • Rendered and allowed interaction with the point cloud through VGA output LASA UIL Study Site Fall '14 • 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 Sep '19 - May '20 MIT Undergraduate Mathematics for Computer Science - Graduate TA Ran weekly office hours and interactive recitations on discrete mathematics Summer '19 MIT Spokes – Organizer & Participant • Biked across the country and taught STEM workshops at local schools / libraries with seven other MIT students Feb '16 - Jun '19 Educational Studies Program – Admin • Organized programs for middle/high schoolers to take classes from MIT students • Directed Splash (over 2000 students, 500 teachers, 40 admins) • Taught classes on astronomy, statistical mechanics, algorithms, and more Undergraduate Math Department - Peer Tutor Feb '16 - Dec '17 • 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 Mathworks at Texas State University - Honors Summer Math Camp Counselor Summer '15 • Counseled a group of four high school students in Combinatorics and Real Analysis Ran additional review sessions and assisted a Mathematica class • Worked with 15 other counselors to maintain a nurturing camp environment 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 Larry G. Benedict Leadership Award - MIT Awards Convocation Awardee Spring '19 • Recognized for showing dedication for empowering my fellow students to develop as leaders 8th Int'l Olympiad on Astronomy and Astrophysics - Honorable Mention Aug '14 • Represented the USA in theory, observation, and data analysis exams 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