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 bring across the country Contributed to program design, strategy metals 	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 variation stellar spectra models for my Master's these	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	ian model for selection effects in supernovae	Summer '18
	NuSTAR X-Ray Analysis of the Galactic C • Analyzed high energy spectra near the Galactic matter 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 instruing 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 networks	ructure to enhance our understanding of defi-	Summer '14
Projects	ProSet proset.evantey.me • Created a websocket-based multiplayer verse press, React, and Node	ion 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 ested several features before developing a sim- onfusion in the classroom	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

Spring '16

Fall '16

Align

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