

EDUCATION	<b>Harvard University</b> , Cambridge, MA <i>PhD Candidate in Computer Science</i> <span style="float: right;"><b>Expected Jun 2023</b></span>
	<b>Massachusetts Institute of Technology</b> , Cambridge, MA <i>MEng, Electrical Engineering and Computer Science</i> <span style="float: right;">GPA: 5.0/5.0 <b>Aug 2017</b></span> Thesis: <i>Learning Environment Simulators from Sparse Signals</i>
	<i>SB, Electrical Engineering and Computer Science</i> <span style="float: right;">GPA: 4.9/5.0 <b>Jun 2016</b></span>
RESEARCH EXPERIENCE	<b>PhD Research</b> , Harvard <ul style="list-style-type: none"><li>• Researching the technical components of AI policy, with a focus on how to determine which incentives an algorithm will provide to individuals who wish to game it</li><li>• Drafted a “Municipal Automated Decision Systems Playbook” for Boston’s city government, together with students from Harvard Law, Business, and Kennedy Schools</li><li>• Co-organized the “Algorithms, Justice, and Democracy” reading group, bringing together top philosophy, policy, and computer science faculty to pick apart the political questions at the heart of socially-important algorithms in hiring and criminal justice</li></ul> <b>Masters Thesis Research</b> , MIT CSAIL <ul style="list-style-type: none"><li>• Researched model-learning for planning, i.e. how to use machine learning to allow computers to simulate the consequences of their actions</li><li>• Proposed and analyzed novel learning problems under the supervision of Prof. Leslie Kaelbling</li><li>• Designed a suite of challenges, and constructed novel deep learning agents to solve them</li></ul> <b>Economic Impact of Machine-Learning on the Labor Market</b> , MIT Sloan <span style="float: right;"><b>2017</b></span> <ul style="list-style-type: none"><li>• Collaborated with lab of Prof. Erik Brynjolfsson to study the potential short-term impact of supervised learning on the US economy</li><li>• Developed a rubric to predict the automatability of a given task through supervised learning</li></ul> <b>Other Research</b> Visiting Scholar, Simons Institute for Theoretical Computing, UC Berkeley <span style="float: right;"><b>2019</b></span> Techtopia Fellow, Berkman Klein Center for Internet and Society, Harvard Law School <span style="float: right;"><b>2018-19</b></span> Scholarship of Excellence in Research, Swiss Federal Institute of Technology (EPFL) <span style="float: right;"><b>2016</b></span>
PROFESSIONAL EXPERIENCE	<b>Nest Labs Inc.</b> <span style="float: right;"><b>June - August 2015</b></span> <b>Embedded Algorithms Group</b> <span style="float: right;">Palo Alto, CA</span> <i>Software Engineering Intern</i> <ul style="list-style-type: none"><li>• Independently designed and implemented a software feature for a market-defining hardware product</li><li>• Led discussions with Marketing, UX, and Engineering teams throughout the company to iterate on the prototype</li><li>• Presented the finished feature to teams across the company, and ultimately integrated the feature into the product’s master repository</li></ul>
LEADERSHIP EXPERIENCE	<b>MIT Dormitory Council President</b> <span style="float: right;"><b>June 2015 - May 2016</b></span> <ul style="list-style-type: none"><li>• Directed the dormitory council, one of the primary student governments at MIT</li><li>• Advocated for over 3000 undergraduates on policies ranging from the construction of new dormitories, to student mental health, to overhauling the housing system</li><li>• Managed and coached a team of 15 student officers and 11 dormitory presidents, ensuring they were each empowered to improve their portion of student life</li><li>• Published a report on dormitories’ architectural principles that has since been used as a core document in the design of a new dormitory</li><li>• Developed working relationships with executives throughout MIT, including the Chancellor and President</li></ul>
SELECTED PUBLICATIONS	Shavit, Y. & Moses, W. (2019). <i>Extracting Incentives from Black-Box Decisions</i> (arXiv:1910.05664 [cs.LG]). To appear at the NeurIPS 2019 Workshop on Robust AI in Financial Services. Shavit, Y., Figueroa, N., Salehian, S. S. M., & Billard, A. (2017). <i>Learning Augmented Joint-Space Task-Oriented Dynamical Systems</i> . IEEE Robotics and Automation Letters, vol. 3, no. 3, pp. 2718-2725, July 2018.