Maryam Archie

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Education	**Massachusetts Institute of Technology** Candidate for B.S. in Computer Science and Engineering, GPA: 4.6/5.0 ▪ *Relevant Coursework:* Software Studio, Elements of Software Construction, Introduction to Algorithms, Introduction to Machine Learning, Fundamentals of Programming, Computation Structures, Mathematics for Computer Science, Introduction to Probability, Linear Algebra ▪ *Expected (Spring 2017):* Computer System Engineering, Design and Analysis of Algorithms, User Interface Design and Implementation	**Cambridge, MA** June 2018
Skills	Python, Java, TypeScript, JavaScript, Telemetry, Google Chrome Extension Development, HTML, Meteor, MATLAB, Android Development	
Experience	**Undergraduate Researcher – Abdul Latif Jameel Poverty Action Lab (J-PAL)	Dept. of Economics** ▪ Developed the system that monitors and processes incoming GPS data ▪ Optimized queries to the Google Maps API	**Cambridge, MA** Sept. 2016 - Present
	Software Engineering Intern - The Garage, Microsoft (http://bit.ly/2bWZtt9) ▪ Developed Project Copenhagen , a Google Chrome Extension that allows Gmail users to attach files from their OneDrive and save email attachments to their OneDrive without leaving Gmail, from conception to a public invite-only release ▪ Implemented telemetry to determine critical areas in the extension ▪ Automated the build and release of the extension ▪ Collaborated with multiple teams within Office to develop Project Copenhagen	**Cambridge, MA** June 2016 - Aug. 2016
	Undergraduate Researcher - Personal Robots Group, MIT Media Lab ▪ Ported Motion Tracker software from C#.NET to Python, which involved the use of OpenCV ▪ Designed a teleoperator interface to control the movements and speech of the robot during experiment ▪ Developed content for study on how the framing of a robot affects learning and expressivity in children	**Cambridge, MA** Sept. 2015 - June 2016
	Participant - MIT-SUTD Summer Global Leadership Program ▪ Key Project: Design of Electric Water Vessels - Designed and prototyped the electrical system for the 1-person electric water vessel	**Cambridge, MA** June 2015 - Aug. 2015
Projects	**MyBucket – Semifinalist Project for MIT Web Programming Competition** ▪ Created a Meteor web application that allows users to make a bucket list and then provides local opportunities to users to fulfill their dreams. Used the Yelp Search API and Google Reverse Coding API to generate opportunities.	**Cambridge, MA** Jan. 2016
	+ty (positivity) – HackMIT (http://bit.ly/2bEZT77) ▪ Created an Android application that uses indico's Semantic Analysis Text API to analyze user input and quantify its positivity attribute	**Cambridge, MA** Sept. 2015
Leadership/ Activities	**Participant - MIT Undergraduate Practice Opportunities Program** ▪ Completed the yearlong professional development program which focused on effective communication, team skills and decision making in the work place	**Cambridge, MA** Oct. 2015 - Sept. 2016
	MIT MedLinks - Massachusetts Institute of Technology ▪ Connected students within the dorm to campus support resources ▪ Determined when a student needed to seek medical attention and referred them appropriately	**Cambridge, MA** Oct. 2015 - Present
	Resident Peer Mentor - Massachusetts Institute of Technology ▪ Provided academic, mental and social support for 72 freshmen in the residence hall	**Cambridge, MA** Aug. 2015 - Present
	McCormick House Government - Massachusetts Institute of Technology *Director of External Activities, Webmaster, Room Assignment Chair, IAP/REX Chair*	**Cambridge, MA** Dec. 2014 - Present