

Objective	Expected to graduate in December 2017, seeking for a full time software development role.	
Education	University of California, San Diego (UCSD) , La Jolla, CA Department of Computer Science and Engineering (CSE) Master of Science in Computer Science Major GPA: 3.72/4.0	Sep. 2016 - Dec. 2017 (Expected)
	Nanyang Technological University (NTU) , Singapore, Republic of Singapore Bachelor of Engineering in Electrical & Electronic Engineering Major GPA: 4.62/5.0 , 1st Class Honors	Aug. 2012 - Jun. 2016
Computer Skills	<i>Java</i> (OOP), <i>Javascript</i> , <i>HTML</i> , <i>CSS</i> (Web server and front-end development), <i>C</i> (System-level programming), <i>Matlab</i> (Scientific computing), <i>PHP</i> , <i>Python</i> (Data science computation), <i>SQL</i> (Database query language), <i>LaTeX</i> (Scientific documentation), <i>Git</i> (Version control, collaboration), <i>Bash</i> (Unix command interpreter) Platforms & Frameworks: <i>Android Studio</i> , <i>React.js</i> , <i>Node.js</i> , <i>Express</i> , <i>Bootstrap</i> , <i>jQuery</i> , <i>D3.js</i>	
Work Experience	Software Engineering Intern, Mitek System, Inc , San Diego, CA <ul style="list-style-type: none">Worked in an Agile and Test Driven environment developing Android SDKs in JavaDeveloped and shipped MobileDocs SDK for high resolution document capture for Android devicesOptimized existing MiSnap SDK reducing the SDK size by over 30% via dynamic asset generationAutomated Unit Test using JUnit and Roboelectric, continuous build and integration with Jenkins	Jun. 2017 - Sep. 2017
	Research Assistant, SeeLab UCSD , San Diego, CA <ul style="list-style-type: none">Worked with PhD candidates developing high performance, low power classifiersImplemented high performance Hierarchical Hyper Vector based voice classifierAchieved the same accuracy as conventional Neural Network, but with over 50% saving in energy	Jun. 2017 - Present
	Software Engineering Intern, Rolls-Royce Corporation , Republic of Singapore <ul style="list-style-type: none">Developed data driven web applications using D3.js to visualize engine service dataDeveloped in Python to predict engine failure types using Bags of words modelResponsive web development using Bootstrap, jQuery	Jan. 2015 - May. 2015
Academic Projects	Column-based Scalable Database <i>UCSD class projects for Storage System</i> <ul style="list-style-type: none">Designed and implemented an NoSQL column-based database system in JavaImplemented the database with Memtable to store recent data and SSTable to store long-tail dataImplemented a Bloom Filter to efficiently determine membership status of any data entry	May - Jun 2017
	Branch Predictor <i>UCSD class projects for Computer Architecture</i> <ul style="list-style-type: none">Implemented the gshare and tournament branch predictors in C++Designed a custom predictor in C++ by combining gshare and a 2-level local predictorCustom predictor achieves 97% of accuracy on given test data, a 7% improvements over <i>gshare</i>	May. 2017
	Web Mining and Recommender Systems <i>UCSD class projects for Web Mining and Recommender Systems</i> <ul style="list-style-type: none">Applied the techniques of Regression, Classification to build a rating predictor system in PythonImplemented a Latent Factor Model in Python to predict user ratings of their Amazon purchasesTrained the system using 200,000 entries of anonymous review data from AmazonAchieved an mean square error of 12.6 for rating prediction on a scale of 100	Jan. 2017 - Mar. 2017
Personal Projects	Android Development <i>Dark World Game for Android</i> <ul style="list-style-type: none">Developed a puzzle game based on the Model-View-Presenter development paradigmAllowed player to configure the puzzle map configurations through slider barsRandomly generates puzzle maps based on player's configurationImplemented fully gesture based game controls	Jul. 2017
	<i>GRE Vocabulary Builder for Android</i> <ul style="list-style-type: none">Developed an Android app to help students prepare for GRE verbal testsAutomatically generates multiple choice questions to test student's vocabularyConnects to Android's text-to-speech API to provide pronunciations for all wordsConnects to SQLite database to store user performance metric and support predictive searchConnects to Restful API to provide word definition for words not in local database	
	<i>Robotics Controller for Android</i> <ul style="list-style-type: none">Developed an Android app to remotely control a robot via BluetoothUtilized internet protocol to wirelessly stream live video (30fps) from the robot's camera	