

Work Experience	Software Engineer, Whitepages, Inc, Seattle, WA <ul style="list-style-type: none">Full stack development in <i>Ruby on Rails</i> and <i>Python Flask</i>Cross platform mobile development in <i>React Native</i>Experience with <i>Kubernetes</i>, <i>Helm</i> and <i>Jenkins</i> deployment automationFollow <i>SDLC</i> and work under a <i>SOC2</i> compliant protocol	Apr. 2018 - Present
	Software Engineering Intern, Mitek System, Inc, San Diego, CA <ul style="list-style-type: none">Developed and shipped MobileDocs SDK for high resolution document capture for <i>Android</i> devicesWorked in an <i>Agile</i> and <i>Test Driven</i> environment developing <i>Android</i> SDKs in <i>Java</i>Automated <i>unit tests</i> using <i>JUnit</i> and <i>Robolectric</i>, continuous build and integration with <i>Jenkins</i>	Jun. 2017 - Mar. 2018
	Teaching Assistant, UCSD, San Diego, CA <ul style="list-style-type: none">TAed for undergraduate course <i>Computer Networks</i>	Fall. 2017
	Research Assistant, SeeLab UCSD, San Diego, CA <ul style="list-style-type: none">Worked with PhD candidates developing high performance, low power <i>classifiers</i> in <i>Matlab</i>Achieved the same accuracy as conventional <i>Neural Network</i> with significant saving in energyResults published on <i>Design Automation Conference 2018</i> as second author	Jun. 2017 - Sep. 2017
	Software Engineering Intern, Rolls-Royce, Singapore, SG <ul style="list-style-type: none">Worked with PhD researchers developing data-driven web application in <i>D3.js</i>Automating data cleaning and extraction with <i>Python</i>	Jan. 2015 - May. 2015
Education	Master of Science in Computer Science, San Diego, CA University of California, San Diego (UCSD), GPA: 3.69/4.0	Sep. 2016 - Mar. 2018
	Bachelor of Engineering in Electrical Engineering, Singapore Nanyang Technological University (NTU), GPA: 4.62/5.0, 1st class honors	Aug. 2012 - Jun. 2016
Publication	Design Automation Conference, San Francisco, CA "M. Imani, C. Huang, D. Kong, T. Rosing Hierarchical Hyperdimensional Computing for Energy Efficient Classification, IEEE/ACM Design Automation Conference (DAC), 2018."	June. 2018
Academic Projects	Column-based Scalable Database <ul style="list-style-type: none">Designed and implemented an <i>NoSQL column-based</i> database system in <i>Java</i>Implemented the database with <i>Memtable</i> to store recent data and <i>SSTable</i> to store <i>long-tail</i> dataImplemented a <i>Bloom Filter</i> to efficiently determine membership status of any data entry	May - Jun 2017
	Web Mining and Recommender Systems <ul style="list-style-type: none">Applied the techniques of <i>Regression</i>, <i>Classification</i> to build a rating predictor system in <i>Python</i>Implemented a <i>Latent Factor Model</i> in <i>Python</i> to predict user ratings of their Amazon purchasesAchieved an mean square error of 12.6 for rating prediction on a scale of 100	Jan. 2017 - Mar. 2017
	Computer Vision <ul style="list-style-type: none">Implemented image formation of <i>perspective camera model</i> with different camera parametersImplemented a face recognition algorithm based on <i>Eigenfaces</i> and <i>Principle Component Analysis</i>.Implemented the <i>Lucas-Kanade algorithm</i> to estimate optical flow between image frames in <i>Matlab</i>	Sep. 2016 - Dec. 2016
	Probabilistic Learning <ul style="list-style-type: none">Implemented a set of learning algorithms in <i>Java</i> and <i>Matlab</i>, including <i>maximum likelihood</i>, <i>EM</i>Implemented multiple <i>Markov language models</i>, e.g <i>unigram</i>, <i>bigram</i> and <i>mixture models</i> in <i>Java</i>Implemented a <i>Markov decision model</i> for a puzzle solving agent using <i>value</i> and <i>policy iteration</i>	Sep. 2016 - Nov. 2016
	Computer Skills <i>Java, React-Native, Reactjs, Ruby on Rails, Flask, Kubernetes, Helm, Latex</i>	