
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	<i>Sep. 2016 - Dec. 2017 (Expected)</i>
	Department of Computer Science and Engineering (CSE)	
	Master of Science in Computer Science	
	Major GPA: 3.72/4.0	
	Nanyang Technological University (NTU) , Singapore, Republic of Singapore	<i>Aug. 2012 - Jun. 2016</i>
	Bachelor of Engineering in Electrical & Electronic Engineering	
	Major GPA: 4.62/5.0 , 1st Class Honors	
	University of California, Berkeley (UCB) , Berkeley, CA	<i>May. 2013 - Jul 2013</i>
	Undergraduate summer school program	
	Computer Languages & tools: <i>Java (OOP), Javascript, HTML, CSS (Web server and front-end development), C (System-level programming), Matlab (Scientific computing), PHP, Python (Data science computation), SQL (Database query language), LaTeX (Scientific documentation), Git (Version control, collaboration), Bash (Unix command interpreter)</i>	
	Platforms & Frameworks: <i>Android Studio, React.js, Node.js, Express, Bootstrap, jQuery, D3.js</i>	
Work Experience	Software Engineering Intern, Mitek System, Inc , San Diego, CA	<i>Jun. 2017 - Sep. 2017</i>
	• Developed Mobile Identity Capture SDK for Android, iOS and web	
	Research Assistant, SeeLab UCSD , San Diego, CA	<i>Jun. 2017 - Present</i>
	• Worked with PhD candidates developing high speed, low power classifiers for text and image data	
	Software Engineering Intern, Rolls-Royce Corporation , Republic of Singapore	<i>Jan. 2015 - May. 2015</i>
	• Developed data driven applications using <i>D3.js</i> to visualize engine service data	
	• Developed in Python to predict engine failure types using text data from digitized service report	
	• Responsive web development using <i>Bootstrap, jQuery</i>	
Projects	Column-based Scalable Database	<i>May - Jun 2017</i>
	<i>UCSD class projects for Storage System</i>	
	• Designed and implemented a NoSQL column-based 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> data	
	Branch Predictor	<i>May. 2017</i>
	<i>UCSD class projects for Computer Architecture</i>	
	• Implemented the <i>gshare</i> and <i>tournament</i> branch predictors in C++	
	• Designed a custom predictor in C++ by combining <i>gshare</i> and a <i>2-level local</i> predictor	
	Web Mining and Recommender Systems	<i>Jan. 2017 - Mar. 2017</i>
	<i>UCSD class projects for Web Mining and Recommender Systems</i>	
	• Applied the techniques of <i>Regression, Classification, etc</i> to build a rating predictor system in <i>Python</i>	
	• Implemented a latent factor model in <i>Python</i> to predict user ratings of their Amazon purchases	
	Android Development	<i>Jan. 2017 - Apr. 2017</i>
	<i>GRE Vocabulary Builder</i>	
	• Building an Android app to help students prepare for GRE verbal tests	
	• Automatically generates multiple choice questions to test student's vocabulary	
	Robotics Development	<i>Jan. 2017 - Mar. 2017</i>
	<i>UCSD class projects for Robotics</i>	
	• Assembled and programmed a TurtleBot and a camera controlled by 2 Raspberry Pi's	
	• Developed an Android app to remotely control the TurtleBot's movement via Bluetooth	
	Probabilistic Learning	<i>Sep. 2016 - Nov. 2016</i>
	<i>UCSD class projects for Probabilistic Reasoning and Artificial Intelligence</i>	
	• Implemented a set of learning algorithms in <i>Java</i> and <i>Matlab</i> , including <i>maximum likelihood, EM, etc</i>	
	• Implemented multiple <i>Markov language models</i> , e.g <i>unigram, bigram and mixture models</i> in <i>Java</i> .	
	• Implemented the <i>Markov decision model</i> for a puzzle solving agent using value and policy iteration.	