

Warren Mar

Experience	<i>Staff Software Engineer</i> , Meta	October 2024 - March 2025
	<ul style="list-style-type: none">• Drove roadmap and collaboration with cross-functional teams for the retrieval stages of the ads auction.• Mentored junior engineers as technical lead for the recall optimization team under Ads Core ML.	
	<i>Senior Software Engineer</i> , Google	October 2016 - September 2024
	<ul style="list-style-type: none">• Created new robocall detection model based on call recordings for spam server to reduce robocalls going to advertisers.• Created new multilingual NLP ML model to reduce fraud and abuse in ads.• Mentored junior engineers and coordinated with partner teams on improving the existing auction quality, and bidding models.• Led meetings and planning for Communication Ads Quality team as technical lead.• Helped build out and maintain the call recording platform.• Worked on the entire ML ecosystem (human evaluation, feature generation and logging, model architecture, model training, model evaluation, latency measurement, resourcing, and model serving).• Helped students from HBCUs and HSIs with mock interview preparation as part of the Tech Exchange program.	
	<i>Member of Technical Staff</i> , BloomReach	May 2013 - October 2016
	<ul style="list-style-type: none">• Started attribute extraction team as technical lead. The team used NLP to extract information from unstructured text and put it into context to power the search engine and other products.• Rewrote organic search product on Hadoop platform to scale.• Crawled internet for monitoring and building knowledge base.• Developed frontend testing for the analytics product.• Edited content for engineering blog.	
	<i>Research Assistant</i> , Manoharan Lab	October 2006 - June 2012
	<ul style="list-style-type: none">• Created new materials atom by atom that exhibited novel electronic properties to explore Dirac physics.• Wrote Matlab libraries to process, extract, and visualize quantum mechanical simulation results for new diamond-based materials.	
Education	Electrical Engineering Ph.D. Stanford University, 2012	
	Electrical Engineering B.S. and Physics B.S. University of California San Diego, 2005	
Skills	Python, C++, Java, Objective-C, HTML5, Javascript Hadoop, Cascading, Spark, CUDA, OpenGL, jQuery, AWS Cassandra, Solr, Elasticsearch, SQL, Redshift	
Patents	Attribute extraction US-10445812-B2	