

Warren Mar
warren.mar@gmail.com

Experience

- Staff Software Engineer, Meta* October 2024 - March 2025
- 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.
- Senior Software Engineer, Google* October 2016 - September 2024
- Created new multilingual NLP ML model to reduce fraud and abuse in ads by \$XXXM ARR.
 - Pretrained and fine-tuned custom BERT model to reduce robocalls going to advertisers.
 - Spearheaded initiatives for applying LLMs to call recordings to replace human evaluation and build out new features such as call summary and categorization.
 - Mentored junior engineers and coordinated with partner teams on improving the existing auction quality, and bidding models.
 - Led planning for Communication Ads Quality team as technical lead.
 - 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.
- Member of Technical Staff, BloomReach* May 2013 - October 2016
- 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.
- Research Assistant, Manoharan Lab* October 2006 - June 2012
- 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, Javascript, jQuery
PyTorch, JAX, Tensorflow
Hadoop, Cascading, Spark, CUDA, OpenGL, AWS
Cassandra, Solr, Elasticsearch, SQL, Redshift

Patents

Attribute extraction US-10445812-B2