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JENNIFER JANG

education

Massachusetts Institute of Technology Cambridge, MA
Bachelor of Science, Computer Science & Math 2009–2013
Master of Engineering, Computer Science 2013–2015

work experience

Fundify AI San Francisco, CA
Co-Founder CTO Sep 2023 – present

- Making government funding more efficient using AI.
- HF0 Batch 3.

Waymo (Planner Evaluation) San Francisco, CA
Staff Software Engineer Jan 2023 – Sep 2023

- In 2022, 34% of eval requests were unstaffed due to the high rate of scope expansion. Architected a system that can produce coverage for >50% of new scope at 20% the expected headcount.
- Showed the platform worked as a "proof of concept" by delivering several launch-unblocking wins at the new projected headcount.
- Regularly communicated with 5+ teams and 50+ people to align on design requirements and integrations with existing platforms.

Senior Software Engineer October 2020 – December 2022

- Led the end-to-end model training and deployment process for an ML-based risk detection model, the most frequently used general risk metric in San Francisco for over 2 years. Process included data collection, labeler training, label cleaning using unsupervised techniques, deployment using Python / TensorFlow, and identifying model weaknesses for iterative improvements.
- Led a team of 5 ICs to develop eval tools for cyclists, including fine-tuning ML-based risk models for cyclists. Cyclists were the #1 blocker for rider-only deployment at the time. The team was integral in reducing cyclist estimated collision rate by 97% to meet the benchmark for deployment.

Uber (Uber Eats) New York, NY
Data Scientist Sept 2018 – June 2020

- Built model for optimizing menu item placement.
- Built rare-event detection model to turn off closed restaurants, decreasing trip failures by 1%.

Uber (Experimentation Platform) San Francisco, CA
Data Scientist Jan 2017 – Aug 2018

- Built Python time series forecast models for budget allocation in 200+ cities.
- Built multiple hypothesis testing corrections (Bonferroni and Benjamini-Hochberg) using Scala for company-wide experimentation platform used by >100 users/day.

KCG Holdings New York, NY
Quantitative Trader Aug 2015 – June 2016

publications

J. Jang, H. Jiang. *MeanShift++: Extremely Fast Mode-Seeking With Applications to Segmentation and Object Tracking*. CVPR 2021.

H. Jiang*, **J. Jang***, J. Łącki. *Faster DBSCAN via subsampled similarity queries*. NeurIPS 2020.

J. Jang, H. Jiang. *DBSCAN++: Towards Fast and Scalable Density Clustering*. ICML 2019.

H. Jiang, **J. Jang**, O. Nachum. *Robustness Guarantees for Density Clustering*. AISTATS 2019.

H. Jiang, **J. Jang**, S. Kpotufe. *Quickshift++: Provably Good Initializations for Density-Based Clustering*. ICML 2018.