Stephanie Oh

San Francisco, CA
☎ *224.603.2085*
✉ *steph@nieoh.com*
🕮 *www.linkedin.com/in/ohstephanie*

Employment

2019 - 21   **Software Engineer**, *Facebook*, Menlo Park, CA.
- Build ranking models and deep funnel products in the app ads space.

2018 - 19   **Senior Data Scientist**, *Lending Club*, San Francisco, CA.
- Built ensemble models to identify potential repeat borrowers representing over $1.5 billion in personal loans per year.
- Collaborated with the data engineering team to create data sources in Hive that are robust to data leakage and used for production model development.
- Worked with credit bureau and financial behaviorial features on topics such as NLP in marketing and LTV modeling.

2017 - 18   **Senior Data Scientist**, *Sentient Technologies*, San Francisco, CA.
- Built and trained a reinforcement learning model for long/short trading.
- Trained and tuned visual similarity models for apparel recommendations. Used a deep Siamese network with apparel images as input and output.
- Created a basic framework for plugging in different optimization engines to search the space of audience targeting, bidding, and ad creative for digital marketing advertisement.
- Led development of MVP for full funnel optimization. Productionized feature modeling research code. Helped develop the backend- serving using Flask, the UI with Bootstrap, and productionization with CI/CD leveraging Travis and AWS.
- Collaborated on and evangelized an open source model management framework - Studio.ML- for data scientists and researchers.

2016 - 17   **Data Science Fellow**, *Fellowship.AI*, Oakland, CA.
- Developed a long/short trading model for a hedge fund client. Used reinforcement learning with a DQN network with experience replay and epsilon-decay in TensorFlow.
- Led biweekly status update meetings with the project manager and scientist at the hedge fund.

2015 - 16   **Manager of Education Software Technology**, *Wolfram Research*, San Francisco, CA.
- Hired, trained, and managed a remote group of developers working on education-focused technologies such as Wolfram|Alpha.
- Led development and content meetings with CEO, Stephen Wolfram.

2013 - 15   **Developer**, *Wolfram Research*, Boston, MA.
- Developed continuously deployed revenue generating math content for `wolframalpha.com`.

Skills

Languages	Mathematica, Python, SQL, Korean
Frameworks	NumPy, pandas, scikit-learn, Keras, TensorFlow, Presto, XGBoost
Learning	Machine Learning, Deep learning, Reinforcement learning, Deep Q-learning
Miscellaneous	Git, AWS, Travis, Docker, HTML, LaTeX, Camtasia
Interests	Powerlifting, scuba diving, snowboarding

Education

2013   **MS in Mathematics**, *Purdue University*.

2011   **BA in Mathematics with Honors**, *Northwestern University*.

2009-2010   **Budapest Semesters in Mathematics**, Budapest, Hungary.

2007   **High School Diploma**, *The Hill School*, Pottstown, PA.