Stephanie Oh

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

Employment

Sept 2016 - **Data Science Fellow**, *Startup.ML*, Oakland, CA.
- Develop LSTM TensorFlow code for financial trading predictions.
- Develop a financial trading model for a hedge fund client using reinforcement learning (a deep Q-learning network with experience replay and epsilon-decay) using TensorFlow.
- Productionisation of TF model in client's computation framework for running jobs.
- Lead biweekly status update meetings with clients.
- Contribute insight and mentoring to improve process of product development at fellowship.
- Stay current with papers and technologies pertaining to reinforcement learning.

2015 - 16 **Manager of Education Software Technology**, *Wolfram Research*, San Francisco, CA.
- Manage and grow a remote group of developers working on education-focused technologies such as Wolfram|Alpha math and Step-by-step problem solving.
- Integrate Wolfram|Alpha with existing classroom technologies, such as Google Drive.
- Solve backend development problems such as user data management, cloud deployment and automated code-grading.
- Lead development and content meetings with CEO, Stephen Wolfram, and other groups.
- Interview, hire and train new developers in the company's tools and development language.

2013 - 15 **Developer**, *Wolfram Research*, Boston, MA.
- Developed continuously deployed revenue generating math content for `wolframalpha.com`, in particular for Step-by-step problem solving.
- Exhibited and presented at education and software development-based conferences.
- Developed random math problem generation for Wolfram Problem Generator.
- Taught Topology, and Graph Theory at a summer camp for high school students.

2012 - 13 **Teaching Assistant (Calculus)**, *Purdue University*, West Lafayette, IN.

Computer skills

Languages	Mathematica, Python
Frameworks	NumPy, pandas, scikit-learn, TensorFlow
Learning	Deep learning, Reinforcement learning, Deep Q-learning, LSTM, RNN, ConvNet
Miscellaneous	Linux, LaTeX, Camtasia, Git, AWS, Docker, HTML

Education

2013 **MS in Mathematics**, *Purdue University*, *3.6/4.0*.
Recipient of fellowships for outstanding PhD-track students.

2011 **BA in Mathematics with Honors**, *Northwestern University*, *3.64/4.0*.
Honor thesis on Expander Graphs (2011)
Recipient of merit scholarships for outstanding academic achievement.

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

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

Extracurricular

Languages	English, Korean, French, German.
Interests	Powerlifting, snowboarding, playing the piano, and cooking.