

Will Wolf

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EDUCATION

- Open-Source Machine Learning "Master's"** Casablanca, Morocco
A 10-month, self-curated deep-dive into select topics in machine learning Sep 2016 – July 2017
- Penn State University, Schreyer Honors College** University Park, Pennsylvania
Bachelor of Science, Industrial Engineering, with minor in Mathematics, 3.57 GPA Sep 2007 – Dec 2011
- Honors thesis (supervised by Dr. Chris Byrne): *Prisoner's Dilemma Games on a Geodesic Dome*

EXPERIENCE

- Lead Machine Learning Engineer** Sep 2020 – Present
Research Engineer Oct 2018 – Sep 2020
Senior Machine Learning Engineer Aug 2017 – Oct 2018
ASAPP, Inc. New York, New York
- Research and develop methods (supervised by Dr. Kilian Q. Weinberger) for dialog generation, dialog segmentation, "procedure induction" in goal-oriented dialog, text recommendation and online learning
 - Develop, build, deploy and maintain production services for intent classification, personalized next-utterance recommendation and conversation summarization (used by Vodafone, jetBlue, Dish, etc.)
 - Work across Research, Machine Learning Engineering, Data Science and Product teams
 - Mentor junior team members in research, software engineering and machine learning fundamentals
- Data Scientist** Mar 2015 – July 2016
ShopKeep New York, New York
- Developed, built and maintained internal service for computing merchant similarity in a continuous space
 - Developed and built survival analysis models for predicting merchant churn
 - Authored internal software package offering composable predictive modeling objects
 - Built and maintained ETL infrastructure for data ingestion, transformation and visualization
- Data Science Teacher (part-time)** Aug 2015 – Dec 2017
Thinkful Remote
- Mentored students throughout a 10-12 week, project-based data science curriculum
 - Main topics: the Python scientific and inferential stack, databases and APIs, Git and version control, probability and statistics, applied machine learning
- Data Science Consultant (part-time)** Sep 2015 – Feb 2016
Data-Pop Alliance New York, New York
- Researched and developed methods for using cell phone call records to predict population figures in West Africa
- Online Poker Player** Jan 2005 – Jan 2011
Internet Remote
- Built \$50 into \$150,000 playing 6-8 tables simultaneously
 - Hired to coach players worldwide in poker theory and strategy

SELECTED WRITING, CODE

willwolf.io/machine-learning | Approximate inference, Bayesian methods, generative models, neural networks, etc.
github.com/cavaunpeu | Implementations of machine learning algorithms

SELECTED TALKS, TEACHING

- NYC Machine Learning** | *A Practical Guide to the Open-Source Machine Learning Master's* Aug 2019
- Boston Bayesians** | *Minimizing the Negative Log-Likelihood, In English* Aug 2018
- Facebook Developer Circles Casablanca** | *You've Been Doing Statistics All Along* May 2017
- Platzi (Bogotá, Colombia)** | Taught data science courses in English and Spanish Aug 2016

PERSONAL

Languages | English (native), Spanish (advanced), French (advanced), Russian (intermediate)
willtravellife.com | Stories from 65+ countries, and a 7,500 kilometer bicycle ride from Turkey to Kyrgyzstan