

FRANCISCO GUTIERREZ

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EXPERIENCE

Independent Study, 2017 - Present

- Deep Learning with Andrew Ng's classes, and book by Goodfellow et al.
- Deep Reinforcement Learning with class by Sergey Levine, and book by Sutton and Barto.
- Haskell with book by Allen and Moronuki.
- Developed using Python, Tensorflow, Keras, Numpy, Pandas, Scikit-Learn, Jupyter, and Haskell.

CollabRx, Software Architect, 2016 - 2017

- Designed and developed knowledge database for precision medicine cancer treatment recommendations.
- Developed using Python, graph database Neo4j, functional language Elixir, and Phoenix web framework.

Gumroad, Machine Learning Engineer, 2015 - 2016

- Main developer and maintainer of machine learning application for risk scoring and fraud detection.
- Developed using Python, Scikit-learn, Pandas, Numpy, Jupyter, and Flask.

Liquid Labs (now Gigster), Co-Founder / CTO, 2012 - 2014

- Main developer for all our early ideas in fast idea prototype cycle.
- Developed using Mongo, Node, Javascript, Coffeescript, Meteor, and Python.

Tapjoy, Data Scientist, 2011 - 2012

- Developed collaborative filtering model to recommend mobile apps, and an A/B testing framework.
- Developed with Python, Octave, R, Hadoop, Pig, Hive, Ruby and Rails.

Kabam, Software Engineer, 2011

- Lead backend engineer for fast growing online game, developed with Ruby, Rails, MySQL, and Redis.

EDUCATION

Caltech, BS, Double Major

- Double major in (1) Engineering & Applied Science, and (2) Economics.
- Very strong theoretical and mathematical foundation.

ITESM, MS, Intelligent Systems

- Broad foundations on Artificial Intelligence. Classes included Bayesian Nets, Neural Nets, Genetic Algorithms, Fuzzy Logic, Decision Trees, Robotics, Expert Systems, Search, and Algorithms.

CU Denver, MS Coursework, Applied Math

- Classes included Linear Algebra, Bayesian Statistics, Graph Theory, Information Theory, Probability Theory, Stochastic Processes, and Bioinformatics.