# ANDREW F. LEDVINA

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## EXPERIENCE

**Alan**—Paris, France — *July 2016 – Dec 2016*
*Software Engineer*
- Helped a friend with his health insurance startup in France on a short term basis.
- Worked on both frontend and backend features as part of a small team focused on getting a product ready for market at the same time as all regulatory requirements were met.

**Gigster**—Remote — *July 2015 – July 2016*
*Freelance Engineer*
- I decided to take some time off of full-time working during which I did some contract work for supplemental income. The majority of my work dealt with iOS, but I also did work in Ruby, primarily with Rails, as well as Javascript, primarily with React.

**Flexport**—San Francisco, CA — *Apr 2014 – July 2015*
*Director of Engineering*
- Engineer #1, inherited a codebase that was built by contractors, which we almost completely rewrote.
- Built new backend and frontend features, created a robust server infrastructure with automated testing and deployment, as well as many adhoc tasks. I also worked on recruiting and hiring a CTO as well as 6+ engineers. I was instrumental in the growth from negligible revenue and a $2M valuation to over $15M in annualized revenue and a $100M valuation.

**Facebook**—Menlo Park, CA — *Feb 2012 – Apr 2014*
*Software Engineer and Data Scientist*
- Worked on the iOS product infrastructure team which owned the core abstractions across all of our iOS apps. Worked at every layer of iOS from low level networking to UI. Spent a considerable amount of time re-architecting and rewriting the networking stack.
- As a data scientist, I trained machine learning classifiers, built and patented a graph theoretic model for making certain inferences about users, designed and executed myriad experiments, and generally analyzed a lot of behavioral data.

**California Institute of Technology**—Pasadena, CA — *June 2011 – Feb 2012*
*Postdoctoral Scholar*
- Research Interests: Algorithmic Game Theory, Mechanism Design, Market Microstructure, Algorithmic Trading, Auction Theory, Differential Games, Network/Graph Games

**William Sword & Co.**—Princeton, NJ — *July 2010 – May 2011*
*Associate*
- Structured and modeled a multi-tranche investment of $250MM in a digital music company
- Performed due diligence related to a potential sale of the assets and proprietary methods of a large quantitative hedge fund
- Modeled potential deals for our hedge fund client that would allow the fund creators to capitalize on their intellectual property

## EDUCATION

**Princeton University**—Princeton, NJ — *Sept 2007 – May 2011*
*MA, PhD, Dept of Operations Research & Financial Engineering*
- Dissertation: Differential Games in Oligopolistic Markets

**University of Colorado**—Boulder, CO — *Aug 2003 – May 2007*
*BS Applied Mathematics with Finance Emphasis, BA Economics, BA Chemistry*
- Phi Beta Kappa, Cum Laude and With Distinction
- GPA: 4.00 (Finance/Applied Mathematics), 3.80 (Cumulative)

## SKILLS

**Programming Languages:** Ruby, Swift, Objective-C, Erlang, Python, C++, Javascript
**Systems and Software:** PostgreSQL, MySQL, Hadoop, Hive, Giraph, R, Redis, MATLAB

## HONORS

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|---|---|
| Wu Prize for Excellence in Graduate Research at Princeton University | *2010* |
| NSF Stochastic Analysis & Applications RTG Fellowship | *2008 – 2011* |
| Princeton University Graduate Fellowship | *2007 – 2008* |