

Evan Casey

Aspiring artificial intelligence researcher
New York, NY

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Education

B.A. Mathematics, Economics, minor in Computer Science
Claremont McKenna College 2010–2014

Experience

Software Engineer (contract) – Narrative I/O July 2016 - present

- Building data infrastructure using Spark and Redshift

Sabbatical – Recurse Center March 2016 - June 2016

- Studied machine learning and neural networks

Software Engineer – Tapad (acquired by Telenor in Feb. 2016) May 2014 - March 2016

- Developed and maintained components of the petabyte-scale data infrastructure powering Tapad's real-time ad bidding systems and the Device Graph, a graph based representation of device ownership that uses a probabilistic model to infer the relationship between devices.
- Designed and authored an end-to-end ad inventory forecasting system that summarized billions of events daily using Elasticsearch.
- Prototyped and benchmarked several large-scale analytic data stores (Spark-sql, Impala, Druid) as part of project to improve access to our datasets stored HDFS.
- Helped scale the engineering team by 2x, interviewed countless candidates, supervised an intern during the summer of 2015.
- Tech used: Scala, Spark/Hadoop, Kafka, Zookeeper

Software Engineering Intern – One Kings Lane Summer 2013

- Helped write Babar, an internal A/B testing framework using Ruby on Rails

Achievements

Speaker – HackNY masters series	2015
HackNY Fellowship – Summer internship program	2014
Outstanding thesis award – Mathematics	2014
Finalist – Greylock Hackfest	2013

Publications

UNDERGRADUATE THESIS

- | | |
|--|------|
| Scalable Collaborative Filtering Recommendation Algorithms on Apache Spark | 2014 |
| Evan Casey, Deanna Needell | |

Software

- | | |
|---|------|
| 1. Demeter: A library for deep reinforcement learning in Tensorflow | 2016 |
| 2. scala-nn: A lightweight neural network framework in Scala | 2016 |
| 3. bandit-http-server: A redis-backed HTTP server for multi-armed bandit algorithms | 2013 |

Teaching

- | | |
|---|------|
| 1. Teaching Assistant Claremont McKenna College | 2012 |
| MATH 152: Statistical Inference | |

Relevant Skills

Programming Languages

- Scala, Python, SQL, Javascript

Systems and Tools

- Tensorflow, Spark, Hadoop, Kafka, Elasticsearch, Docker

Other

Lived in Mongolia for a summer. Won an \$875,000 grant for a skatepark in my hometown. DVORAK user. Film photography enthusiast.