

## Education

### Georgia Institute of Technology

M.S. in Computer Science

ATLANTA  
expected May 2018

### Georgia Institute of Technology

B.S. in Computer Science

ATLANTA  
May 2017

- GPA: 4.00/4.00
- Concentrations in Systems and Machine Learning
- Research with Prof. Polo Chau; presented at IEEE Security & Privacy 2015 and Supercomputing 2016
- Recipient of Faculty Honors and 2017 President's Undergraduate Research Award

## Professional Experience

### Two Sigma Investments LP

Software Engineering Intern

NEW YORK CITY  
May 2016 – August 2016

- Created Titan, platform for a low-latency, high-throughput order processing system
- Researched a novel distributed constraint-based task scheduler based on novel auction algorithm
- Several teams now are using the Titan platform. Product now has full-time engineering resources.

### Twitter

Software Engineering Intern

SAN FRANCISCO  
May 2015 – July 2015

- One of 3 engineers on launch team for Twitter Ads Editor, a bulk ad campaign management tool for Twitter's largest advertisers (>\$XX million annual run rate)
- Built full-stack features in Ads Editor; specifically search, filtering, export and i18n
- Instrumented product to enable A/B tests for key spend metrics
- Led product effort for internationalization and localization for Ads Editor before global launch in 13 markets
- Built machine translation service to automatically translate new events and hashtags
- Added new UI components to Feather, Twitter's internal fork of Bootstrap

### @WalmartLabs

Software Engineering Intern

SUNNYVALE  
June 2014 – August 2014

- Core contributor to Pipeline Enabler, a continuous delivery platform to automate deployment pipelines

## Selected Projects

- **MEDI SHARE** (2015 - 2016): Chat platform for oncology care teams. Project sponsored by Varian Medical. Prototyped high-fidelity mockups, ran user studies, and managed team of 4 developers to implement MVP
- **STAYIN' ALIVE** (2014): iOS application detects when drivers are tired/drunken using facial feature tracking. Grand Prize at AT&T Connected Car Hackathon (\$10k prize)
- **READER** (2013): Online classroom for collaborative ebook annotation. Creating a community around learning with real-time rich-media annotations
- **ROBO NURSE** (2013): Autonomous robotic platform for in-hospital prescription delivery
- **ELECTRIFY** (2011): Mobile app analyzes and optimizes household energy usage patterns. 3rd in international AT&T Power your Future competition

## Skills

- Languages: Scala, Java, C, Python, Matlab, Javascript, SQL, Verilog
- Data science: Jupyter, Weka, NumPy, Pandas, MatConvNet, Caffe, scikit-learn
- Infrastructure: Kafka, Mesos, OpenTSDB, Spark, Flink, Hadoop HDFS, Storm
- Web: AngularJS, Node.js, Meteor, Backbone, MongoDB, Cassandra, Finagle, Thrift