

EDUCATION

Stanford University

September 2015 — June 2019 (expected)
M.S. Computer Science (Artificial Intelligence)
B.S. Computer Science (Information), minor Education

The Harker School

August 2011 — May 2015
GPA 4.35, SAT: 2300
Love of Learning Award

RELEVANT COURSEWORK

Deep Learning	Deep Learning, Generative Models	CS 230, CS 236	Aut 2017, Aut 2018
AI Background	ML, AI	CS 229, CS 221	Aut 2016, Aut 2017
Education and Teaching	Intro CS TA, Intro Education	CS 198, ED 101	Present, Aut 2016
Core CS Background	Operating Systems, Algorithms	CS 140, CS 161	Spr 2018, Win 2017

INDUSTRY EXPERIENCE

Robinhood

Data Engineering Intern (Data Team — Menlo Park, CA) Summer 2018
Spark, Kafka, AWS

- Supplied key user metrics faster with serverless ETL jobs, eliminating cross-server joins and speeding up data inquiries
- Modernized Robinhood's AWS Glue "data lake" infrastructure, built logging pipeline for stock news stream processing

MongoDB

Software Engineering Intern (Education Team — New York, NY) Summer 2017
ReactJS, UX, Python, NodeJS

- Worked with CS4All, CSNYC, and NYC Dept of Education to create meaningful computer science units
- Built mean-median-mode.herokuapp.com, telegraph-unit.herokuapp.com, and polynomial.herokuapp.com
- User-tested with students, worked with teachers to create great educative experiences

Inria

Software Intern (Individual Project — Santiago, Chile) Spring 2017
RabbitMQ, Python, SSE

- Developed a proof of concept to visualize micro (bus) traffic in Santiago, working in a Spanish speaking environment
- Created consumers of client bus data, processed data with work queues, and streamed data with server-sent events

Gigster

Software Engineering Intern (Automation Team — San Francisco, CA) Summer 2016
ReactJS, NodeJS, MongoDB, Slack

- Fixed team sourcing process to generate network developer teams automatically, sped up sourcing times by over 50%
- Maintained internal LinkedIn and metrics dashboard for the Gigster network, indexing and filtering with Elasticsearch

Bioinformatics Labs

Research Intern (Mallick Lab, Gevaert Lab — Palo Alto, CA) Summer 2014, Summer 2015
NodeJS, SQL, R

- Designed and built a prototype from scratch for a database forum website for biomarkers
- Used combinatorial linear models to better predict 24.5% of cancer-causing gene expression

PASSION PROJECTS

CS198 Section Leading Program

Senior Section Leader (TA) Fall 2016 — Present
Java, C++

- For six quarters, taught introductory CS curriculum (CS 106A/B/X), held office hours, and graded homework and exams
- Offered a [lesson on educational teaching theory](#) to other section leaders which will be added to the CS 198 training

Stanford Machine Learning Group (Professor Andrew Ng)

Student Researcher Winter — Spring 2018
NLP, Deep Learning, TensorFlow

- Helped develop crio.stanford.edu, a grammatical error correction project using neural machine translation
- Developed domain adaptation methods and set up a user data pipeline to personalize model results with Tensor2Tensor

Education As Society (EAST) House

Resident Computer Consultant (RCC) Fall 2017 — Present
House Staff, Technology

- Creating strong and caring environment for upperclassmen as dorm staff member at east.stanford.edu
- Organized education technology conference, planned education-themed events, and automated house functions

Stanford Center for Education Policy Analysis

Researcher Fall 2017
Deep Learning, TensorFlow, Education

- Training recurrent neural networks as an early warning indicator to predict dropout and performance in high school students
- As part of Deep Learning course in Fall, continuing work with Professor Ben Domingue and SF Unified School District

South Asian Identity and Side Projects

President @ Sanskriti, Singer @ Raagapella, Other Fall 2015 — Present
Airtable, Slack, Squarespace, Chrome

- Organize events for over 600 people as the leader of South Asian cultural organization Sanskriti (sanskriti.stanford.edu)
- Developed signup process for auditions and callbacks at raagapella.com that pings our Slack channel
- Redesigned National Association for People Against Bullying (NAPAB) from [before](#) to [now](#) at napab.org
- Maintain a [Golden State Warriors Chrome theme](#) — between 20,000 - 70,000 users