

Work Experience

Spell (<i>Lead Frontend Engineer</i>)	New York, NY	Apr 2019 - present
<ul style="list-style-type: none"> ✉ Owned the web frontend of Spell: a code execution platform for data scientists to run ML experiments in the cloud <ul style="list-style-type: none"> ○ Implemented/launched new features in the web console: GitHub integration, re-runs, pins, labels, and more ○ Integrated chat service Intercom to allow sales team to connect with prospective customers faster ○ Improved Google Analytics integration: cross-domain session tracking, custom user action reporting ○ Reviewed frontend designs/PRs, worked directly with sales/marketing/PM/UX, hosted SWE intern ✉ Developed working familiarity with ML concepts by using the product and interacting with customers <ul style="list-style-type: none"> ○ During a hackathon, trained an LSTM model to generate rock climbing animations using videos of myself climbing (link) ○ Used Tensorflow, Keras, Jupyter notebooks ✉ Coded in JavaScript (client), Go (server), Python (CLI tools, Jupyter notebooks) <ul style="list-style-type: none"> ○ Some tools used: React, Redux, Webpack, Babel, SASS, Node, PostgreSQL 		
Google (<i>SWE II → SWE III → Senior Software Engineer</i>)	New York, NY	Apr 2013 - Aug 2018
<ul style="list-style-type: none"> ✉ Google Docs (Apr 2013 - Apr 2017) <ul style="list-style-type: none"> ○ Implemented/launched new features for Docs: spellcheck dialog, image cropping, suggest changes, changes since last viewed, non-standard font weights, first page headers/footers, and many, many more <ul style="list-style-type: none"> ■ Built features used by millions of users daily, generated good press for Docs, and unblocked deal-breaking feature requests for Docs adoption by paying enterprise/EDU customers ■ Co-inventor on Google patent "Systems and methods for managing suggested edits in a collaborative document editing environment" (link) ○ Acted as tech lead for various projects: delegated tasks for junior engineers, communicated project status to stakeholders, reviewed technical designs ○ Led daily bug triage, authored guide and gave talks on dashboarding/metrics reporting, hosted SWE intern ✉ Google Sites (Apr 2017 - Aug 2018) <ul style="list-style-type: none"> ○ Implemented and launched migration tools to move users from Classic Sites to New Sites <ul style="list-style-type: none"> ■ Allowed for the migration of hundreds of thousands of Classic Sites ■ Contributed to the long-term goal of deprecating and eventually turning down Classic Sites ✉ Coded in JavaScript (client), Java (server) 		
Google (<i>SWE Intern</i>)	London, England	Jun - Aug 2012
<ul style="list-style-type: none"> ✉ Launched app search and crash reporting system (written in Java) for the Google Play Console 		
Google (<i>SWE Intern</i>)	Cambridge, MA	Jun - Aug 2011
<ul style="list-style-type: none"> ✉ Prototyped Chrome extension (written in JavaScript) to display trustworthiness ratings of Google search results 		

Selected Projects

StudyOpenings.com	New York, NY	Nov 2018 - present
<ul style="list-style-type: none"> ✉ Founded and built a free, open-source web application to help chess players memorize opening repertoires ✉ Written in TypeScript, uses Node, MongoDB, Webpack, Heroku 		
MIT Battlecode (AI competition)	Cambridge, MA	2011, 2012, 2013, 2016
<ul style="list-style-type: none"> ✉ Built a bot (in Java) that played a strategy game against other contestants as part of a month-long contest ✉ Won 1st place (out of >100 MIT teams) in 2012 (hall of fame) 		
Cornell Cup USA (robotics competition)	Orlando, FL	May 2012
<ul style="list-style-type: none"> ✉ Built a computer vision system (in Python) for a liquid-handling robot using an off-the-shelf webcam ✉ Won 3rd place (out of 24 teams) (press) 		

Education

Recurse Center	Brooklyn, NY	Nov - Dec 2018
Massachusetts Institute of Technology	Cambridge, MA	2009 - 2013
<ul style="list-style-type: none"> ✉ B.S. in Computer Science, Math (double major), GPA: 4.6 / 5.0 		