

Work Experience

- Spell** (*Lead Frontend Engineer*) New York, NY Apr 2019 - present
- ✉ Owned the web frontend of [Spell](#): a code execution platform for data scientists to run ML experiments in the cloud
 - Implemented/launched new features in the web: GitHub integration, re-runs, pins, labels, and more
 - Integrated chat service [Intercom](#) to allow sales team to connect with prospective customers faster
 - Implemented server-side rendering of home pages to improve SEO
 - 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
 - ✉ Coded in JavaScript (client), Go (server), Python (CLI tools, Jupyter notebooks)
 - Some tools used: React, Redux, Webpack, Babel, SASS, Node, PostgreSQL
- Google** (*SWE II → SWE III → Senior Software Engineer*) New York, NY Apr 2013 - Aug 2018
- ✉ **Google Docs** (Apr 2013 - Apr 2017)
 - 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
 - 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)
 - Implemented and launched migration tools to move users from Classic Sites to New Sites
 - 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** (*SWE Intern*) London, England Jun - Aug 2012
- ✉ Launched app search and crash reporting system (written in Java) for the Google Play Console
- Google** (*SWE Intern*) Cambridge, MA Jun - Aug 2011
- ✉ Prototyped Chrome extension (written in JavaScript) to display trustworthiness ratings of Google search results

Selected Projects

- [StudyOpenings.com](#)** New York, NY Nov 2018 - present
- ✉ 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
- ✉ 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
- ✉ 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
- ✉ B.S. in Computer Science, Math (double major), GPA: 4.6 / 5.0
 - ✉ Selected extracurricular activities: MIT EECS Department teaching assistant, MIT Chess Club webmaster, Harvard-MIT Math Tournament problem writer, USA Math Olympiad qualifier