

# LAURA CHAPMAN

## Staff Software Engineer

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New York, NY

🔗 [laurachapman.github.io](https://laurachapman.github.io)

## EXPERIENCE

### Google

Staff Software Engineer, Search Trust and Safety

📅 May 2025 - present (*promoted to Staff May 2026*)

🌐 New York, NY

- Architected and scaled out-of-model AI safety guardrails system from initial set of hacks to a platform covering all Search AI products, supporting 15+ launches/year with rapid-response capabilities (concept to production within days).
- Set technical direction for a group of 5 direct reports and 10 adjacent contributors working on AI trust and safety systems.
- Led effort to distill trust and safety classifiers for ~\$35m yearly cost savings.
- Developed scalable prompted reviewer system, reducing time to onboard response guardrails from 2 months to 2 hours.
- Led escalations strategy for elections, including executive alignment, building reactive systems, and training on-callers.

Senior Software Engineer, Search Verticals

📅 June 2021 - May 2025 (*promoted to Senior May 2024*)

🌐 Washington, DC

- Completed foundational research for new Your Money Your Life on AI mode workstream and guided two adjacent engineers.
- Developed, launched, and deprecated a response checker to allow for safe AI response triggering on subjective politics queries.
- Led a team of 6 to develop and test ideas supporting Search growth; created reusable tools for faster experiments.
- Built search features improving access to government services, healthcare and food assistance.

### Capital One

Associate Software Engineer

📅 August 2020 - June 2021

🌐 Washington, DC

- Spearheaded development of major new feature on internal treasury management application in Scala/Typescript/React.
- Built utilities to increase team's efficiency, led demonstrations and discussions with business partners and adjacent tech teams.

### Harvard Department of Computer Science

Teaching Fellow

📅 September 2019 - August 2020

🌐 Cambridge, MA

- Courses: CS171: Visualization, CS10: Elements of Data Science, and CS1: Introduction to Programming with Python.
- Earned Harvard Certificate of Distinction in Teaching.

### Capital One

Software Engineering Intern

📅 June 2019 - August 2019

🌐 New York, NY

- Created an interactive network visualization using JavaScript/D3 for an internal web application.
- Constructed data pipeline, optimized performance, and built visualization code into a flexible library.

## PERSONAL PROJECTS

- [Lightbox coloring app](#)- web application that turns any image into a bounded-line coloring page
- [Solving Are You the One? With Functional Scala](#)- applying dynamic programming/constraint satisfaction to a dating show
- [Ranked Choice Voting with Harvard Chicken Dishes](#)- visually exploring ranked choice voting with chicken preferences

For links and more, visit [laurachapman.github.com/projects](https://laurachapman.github.com/projects)

## EDUCATION

### Harvard University

Bachelor's in Computer Science, Minor in Physics, 3.78 GPA

📅 2016 - 2020

🌐 Cambridge, MA

**Coursework:** Compilers, Theoretical Computer Science, Data Structures and Algorithms, Systems Programming and Machine Organization, Visualization, Introduction to Artificial Intelligence with Python