

# LAURA CHAPMAN

## Associate Software Engineer

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

## EXPERIENCE

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### Associate Software Engineer

#### Capital One

📅 August 2020 – Present

📍 Boston, MA

- Worked on treasury management application in Scala/Typescript/React and led development of major new feature.
- Built several utility projects to increase team's efficiency, migrated team projects to new AWS account, and contributed to team documentation.
- Led demonstrations and discussions with business partners and tech teams.
- Won "Best Code Reuse" award for a monitoring dashboard created during an internal hackathon.

### Teaching Fellow

#### Harvard Department of Computer Science

📅 September 2019 – August 2020

📍 Cambridge, MA

- Courses: CS171: Visualization, CS10: Elements of Data Science, and CS1: Introduction to Programming with Python.
- Taught section, assisted in labs and lectures, graded assignments, mentored students and held office hours.
- Earned Harvard Certificate of Distinction in Teaching.

### Software Engineering Intern

#### Capital One

📅 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.
- Named a "super performer" by manager and received return offer.

### Software Developer

#### Harvard-Smithsonian Center for Astrophysics

📅 June 2018 – December 2018

📍 Cambridge, MA

- Collaborated with a global team of astrophysicists/software developers on open-source data visualization software Glue.
- Developed statistics toolbox for high dimensional data using Python with the QT library.

## SKILLS

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**Languages/libraries:** Scala React JS/TS Python HTML CSS SQL D3.js OCaml C ZIO

**Technologies:** AWS Jenkins Git Docker Jira Kanban

## PERSONAL PROJECTS

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- [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
- [Computer generated art and Instagram bot](#)- creating content and building a following semi-automatically

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

## EDUCATION

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

#### Harvard University

📅 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