

LAURA CHAPMAN

Associate Software Engineer

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🔗 laurachapman.github.io

github.com/laurachapman

Highly motivated and detail-oriented software engineer with excellent communication skills. Looking for a role in a fast-paced environment solving cool problems with smart people.

EXPERIENCE

Associate Software Engineer

Capital One

📅 August 2020 – Present

📍 Boston, MA

- Worked on treasury process management application in Functional Scala/Typescript/React.
- Developed and managed major new feature for cash rates team.
- Built several utility projects to increase team's efficiency.
- Migrated team projects to new AWS account.
- Contributed significantly to team documentation.
- Led demonstrations and discussions with business partners and tech teams.

Teaching Fellow

Harvard Department of Computer Science

📅 September 2019 – August 2020

📍 Cambridge, MA

- Teaching Fellow for CS171: Data 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 D3 for in 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 and software developers on open-source data visualization software Glue.
- Developed statistics toolbox for high dimensional data using Python with the QT library.

EDUCATION

Bachelor's in Computer Science, Minor in Physics

Harvard University

📅 2016 – 2020

📍 Cambridge, MA

3.78 GPA

PROGRAMMING LANGUAGES

Functional Scala React Typescript
Python Javascript HTML CSS
SQL D3 OCaml C ZIO

TECHNOLOGIES

AWS Jenkins GitHub Docker
Jira

SIDE PROJECTS

- Solving Are You the One? With Functional Scala
- Ranked Choice Voting with Harvard Chicken Dishes
- Computer Generated Art with D3
- Copyasta Generator with NLTK

For more info, visit

🔗 laurachapman.github.io/nerdy

COURSEWORK

- Compilers
- Theoretical Computer Science
- Data Structures and Algorithms
- Systems Programming and Machine Organization
- Visualization
- Introduction to Artificial Intelligence with Python

OTHER INTERESTS

- Hiking
- Clothing design
- Quilting
- Acrylic painting