

# Chelsea Troy

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## **Staff SE, Machine Learning & Backend, Mozilla (Pocket Team): Dec 2020-Now**

- The question I spend my work day trying to answer is this one: "How can we help people find reading material so they can learn things and stay informed, without burning them out or radicalizing them, and without harvesting their personal data?"
- [Here's why I work there and what the deal is](#)

## **Author, chelseatroy.com: 2014—Now**

- I write about machine learning, engineering, and the tech industry. Some hits:
  - The [Lessons from Space series](#) about what software engineers can learn from space launch engineers
  - My [decision-making process and code changes](#) while implementing the Raft distributed consensus algorithm in Python
  - The [art of collaborating with a remote team](#) (this series [also became a book](#))
  - A rubric for [evaluating employee contributions to an inclusive company culture](#)
  - [Live coding](#): watch me yell at computers, laugh, hopefully learn something

## **The Founder And Only Engineer, RigorWorks: May 2019—Now**

- I develop custom software and machine learning models for scientific research teams. Currently I support teams in astrophysics, earth science, cancer recovery, and linguistics research. If I list all the stacks that I work in right here, this resume goes over 1 page.

## **Lecturer, Master's Program in CS, University of Chicago: March 2019—Now**

- Spring, Summer, Autumn 2020, Spring 2021: Mobile Software Development.
- Autumn 2020, 2021, Winter 2022: Python Programming (Winter 2022 will be a MOOC!)
- Here is a [series I wrote about designing what became an MPCS cult favorite course](#).

## **Machine Learning Engineer, Ascent Technologies: 2017—2019**

- I worked on models to help interpret legal text. I also wrote code to improve our data and machine learning infrastructure.
- I wrote the first version of our canonical data service to access and modify our data in a graph database. Memorable: I forked the Rails Neo4j OGM to fix API inconsistencies and to add tree-walk relationship queries.
- [If you need proof that I know about machine learning, here's 27 articles](#)

## **Software Engineer, Pivotal Labs: 2013—2017**

- I led development on an Android app for an \$18 billion airline to transfer luggage, track hazardous cargo, bill for mail delivery, and distribute weight safely in the plane.
- I led development for a mobile app for a \$37 billion health insurance company. The app tracks BMI and blood sugar changes. Memorable: we forked MPAndroidChart.
- I developed on a project for a \$49 billion ground transportation company to match vehicles with people who need rides.