

Chris Gumb

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Core Competencies

- **Data Science**
- **Tutoring**
- **Cloud Computing**
- **Python / Jupyter**
- **Team Management**
- **Linux / Unix**

Experience

Harvard University 2022 - Present

Preceptor, Institute for Applied Computational Science (IACS)

- Collaborates with IACS faculty and staff on teaching, developing, and supporting its courses in computational science and engineering and data science
- Coordinates consistency and coherence across curricula by creating unified structures for course content
- Leads regular sections and labs
- Works with teaching faculty to prepare problem sets, section activities, review sessions, and written examinations and to develop instructional materials and software
- Oversees course administration as well as supervising and training teaching fellows
- Acts as primary liaison between teaching faculty and the academic computing support group

Harvard University May 2019 - Present

Head Teaching Fellow, Introduction to Data Science & Advanced Topics in Data Science

- Interviewed, selected, and supervised a diverse teaching staff of as many as 30 individuals
- Managed course administration including monitoring email, scheduling events and booking rooms, and maintaining course Canvas and public webpages
- Facilitated accommodations for students at the requisition of the AEO, Deans, or in the case of physical or mental health crises
- Assisted lead instructors with organization of course curriculum
- Developed course materials including:
 - Homework Assignments
 - In-class Quizzes & Coding Exercises
 - Lecture Slides
 - Sections & Labs
 - Exams
- Lead labs for the entire class to help outfit them for success on the homeworks
- Held office hours to support student learning
- Coordinate with computing group to support courses' computational needs
- Wrote and maintained custom software to:
 - Interact with Canvas API to facilitate downloading/uploading of assignments
 - Run analytics on staff grading for auditing and to ensure uniformity in grading
 - Consolidate & share all grader comments in real time to assist grading process
 - Calculate final grades; different sections requiring different grading schemes
 - Parse student surveys and automate student project group creation

- Identify struggling students early so they can be reached out to

HarvardX Feb 2021 - Present

Lead Content Developer

- Organized curriculum for a suite of new Data Science course to be offered through EdX
- Managed development team in the implementation of course materials including coding exercises, quizzes, projects, and lecture videos.

Data Innovation Labs Jul 2020 - December 2022

Data Scientist

- Created bespoke visualizations and predictive models for professional clients

PetaTera Jul 2020 - December 2022

Data Scientist

- Implemented private cloud computing platform equipped with top tier GPUs to host client applications and enable scalable machine learning for internal data science projects.

Harvard Business School Sept 2019 - Dec 2019

Computer Science & Python Tutor

- Tutored dual M.S./M.B.A. student in CS topics and Python programming

Harvard University Sep 2018 - Dec 2018

Teaching Fellow, Introduction to Data Science

- Graded student assignments and provided detailed feedback
- Ran office hours to support student learning

Education

Harvard University, Extension School 2022

Masters of Liberal Arts - Data Science

Harvard University, Extension School 2019

Graduate Certificate - Data Science

Harvard University, Extension School 2018

Bachelor of Liberal Arts - Coursework in Computer Science, Philosophy, and Linguistics

Awards

Certificate of Distinction in Teaching ([Link](#)) 2021

Harvard University

Certificate of Special Distinction in Teaching ([Link](#)) 2020

Institute for Applied Computational Science (IACS) at Harvard

Certificate of Distinction in Teaching ([Link](#)) 2019

Harvard University