# CHRIS ZHU

## EDUCATION

**Ph.D. Computer Science | University of Chicago | Chicago, IL | 09/2023 - Present**
- *Research Area*: Privacy and Data Sharing
- *Advisor*: Prof. Raul Castro Fernandez
- *GPA*: 4.00/4.00
- *Honors*: NSF Graduate Research Fellowship, Liew Family Graduate Fellowship
- *Teaching Assistant Appointments*: Databases for Public Policy, Intro to Complexity Theory

**B.S. Computer Science, Physics Minor | University of Chicago | Chicago, IL | 06/2022**
- *GPA*: 3.83/4.00
- *Honors*: Dean's List 2018-19, 2021-22

## RELEVANT EXPERIENCE

**PhD Researcher | Prof. Raul Castro Fernandez, University of Chicago | 09/2023 - Present**
- Develop a model called the Dataflow to address problems in data sharing: how to help data-driven organizations combine their data with others to unleash its value.
- Conducted a comparison of Privacy Enhancing Technologies for data sharing, applying the Dataflow model to evaluate them over the dimensions of trust, scope, and performance.

**Research Assistant | Prof. Raul Castro Fernandez, University of Chicago | 09/2022 - 07/2023**
- Created an abstraction to tackle joining disparate schemas and access control for data sharing.

**Undergraduate Research Assistant | Prof. Raul Castro Fernandez, University of Chicago | 08/2021 - 06/2022**
- Investigated and chose a secure enclave. Ran TPC-H and stress-ng experiments on the enclaves and created graphs and wrote the corresponding section in our research paper.
- Compared our system with Sieve, a secure file transfer protocol.

**Software Engineering Intern | Motive Inc | San Francisco, CA | 06/2021 - 08/2021**
- Revamped backend logging with verbose logs for debugging and concise logs for user-facing code.
- Introduced Sorbet, a static typechecker for Ruby into the codebase. Demonstrated a successful proof of concept for adding it into the codebase.

## PUBLICATIONS

- *Data Station: Delegated, Trustworthy, and Auditable Computation to Enable Data-Sharing Consortia with a Data Escrow.* Siyuan Xia, Zhiru Zhu, Chris Zhu, Jinjin Zhao, Kyle Chard, Aaron Elmore, Ian Foster, Michael Franklin, Sanjay Krishnan, Raul Castro Fernandez. **VLDB 2022**.

## SERVICE / LEADERSHIP

**Founder & Organizer | Chicago Data Night | Chicago, IL | 2023 - Present**
- Monthly speaker series in downtown Chicago with 60+ participants, creating a community spanning industry and academia. Speakers include leaders from Databricks, Walgreens, and Meta.

**Databases for Public Policy Tutor | University of Chicago | Chicago, IL | 2024**

## TECHNICAL SKILLS

Python (Proficient), C (Prior Experience), Java (Prior Experience), Ruby (Prior Experience), Javascript (Basic Knowledge)

## HOBBIES

Badminton, cooking, lifting, and backpacking