

# **Introduction to 564**

Lecture #1

# About Me

- Grew up in Vietnam
  - AnHai Doan
- Undergrad in Hungary
- PhD in Seattle, Washington
  - in data management
- Professor since 2001: UIUC, UW-Madison
  - spent a fair amount of time in industry

# About the Course

- You may want to be a CS major or data scientist
- Or just want some CS knowledge
- Regardless, you should know something about data management
  - the world today runs on data (and AI)
- This is the first course on data management
  - so at least take this course

# About the Course

- Enrollment
  - I'm not in charge, you need to email enrollment@cs
- Meeting times
  - lectures on Wed and Fri
  - Mon slot is for makeup lectures plus project discussion, maybe 4-5 times
  - by default NO Mon class
  - if there is one, will let you know by prior Friday
- Recording of lectures
  - will try, but no guarantee

# About the Course

- Project requires teamwork
  - also heavy programming in C++
- Let's look at the syllabus on Canvas

# About Data Management

- The rise of relational data management
  - focus of this course
- The rise of Big Data
- The rise of data science
- The rise of AI (fueled by data)

# Why Take this Course?

- First course on “real” data management
- Learn to manage relational data, write SQL queries
  - very important skill for job interviews
- Learn important principles for data management
  - will help later no matter what you do