

Welcome!

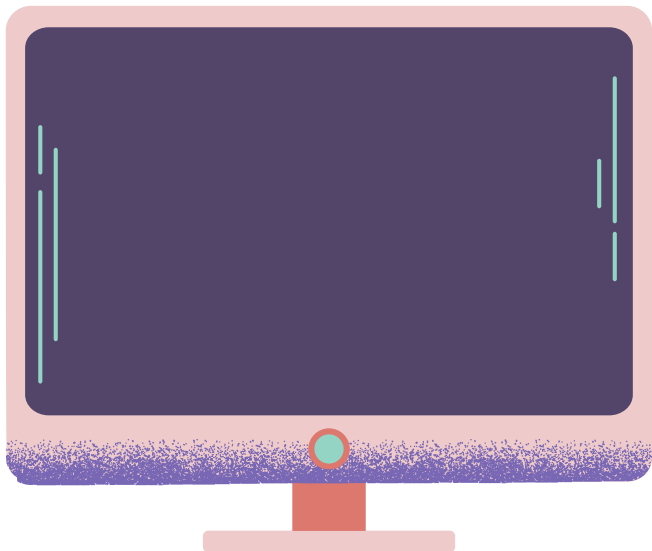
CMPSC 305 – Database Systems



ALLEGHENY COLLEGE

Agenda for today

- Introductions: Getting to know me
- Course overview and expectations
- Class Survey: Getting to know you



Instructor: Hang Zhao

Office: Quigley Hall 208 & Alden Hall 105

Email: hzhao@allegheny.edu

Office hours:

M/W/F 10:00am–11:30pm. Location: Quigley Hall 208

Tue 1:00pm–2:30pm. Location: Virtual

By appointment at <https://calendar.app.google/PD6Ku9PSCZ716K5D7>

A little about me



Visiting Assistant Professor

- Dep of Computer Science
-

Education:

- **University of Connecticut**
- Doctor of Philosophy, Agricultural and Resource Economics
- **Boston University**
- Master of Science in Actuarial Science
- **University of Colorado**
- Bachelor of Arts, Major in Economics, Minor in Mathematics

Research Interests:

- Drug policies, the well-being of older adults, nutrition and health outcomes



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Resume



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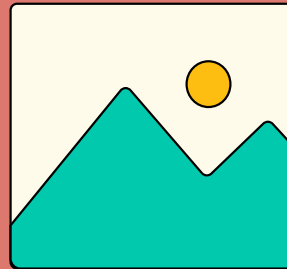
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You Have A
New Messages!

OK

READ



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OK



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Research Statement



You Have A
New Messages!

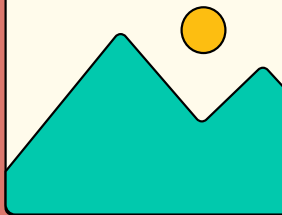
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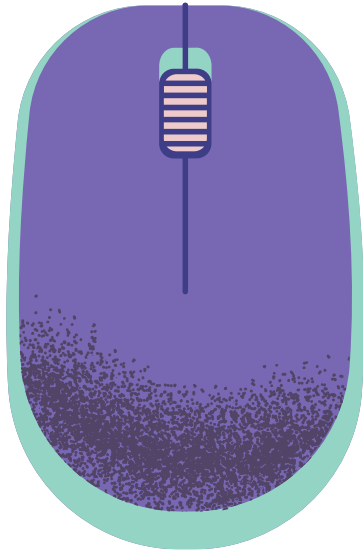


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OK



OK



Course overview and expectations

Why study database systems

- Databases are useful
 - Many computing applications deal with large amounts of information
 - Database systems give a set of tools for storing, searching and managing this information
- Databases in CS
 - Databases are a core topic in computer science
 - Basic concepts and skills with database systems are part of the skill set you will be assumed to have as a CS graduate

Technical Interview Question

Q1: Top 2 amount spent by each user.

Table: User

Users	Date	Amount	Manager
A1	2/1/2010	5.15	Null
A1	1/5/2010	10	Null
A2	1/21/2012	50	Mike
A2	1/21/2010	1	Mike
A2	6/10/2019	100	Mike
A3	8/12/2015	40	Null
A4	11/12/2015	45	Chris
A5	8/12/2015	90	Null

Technical Interview Question

Q2: Total amount spent by Apple Pay users vs non Apple Pay users.

Table: Apple pay

User	Apay
A1	Yes
A2	Yes
A3	Yes
A4	No
A5	No

Class structure

- Lectures
- Activities
- Lab Assignments

classDocs/

- First stop for all materials
- Syllabus
- Lecture slides

Assessment

- Class Participation and Activities (10%)
- Exam (25%)
- Lab Assignments (35%)
- Final Project (30%)

Course grades will approximately fall into the following ranges: A (96%), A- (90%), B+ (87%), B (83%), B- (80%), C+ (77%), C (73%), C- (70%), D+ (67%), D (63%), F(60%).

How to do well

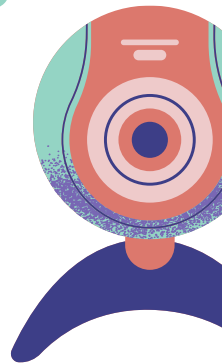
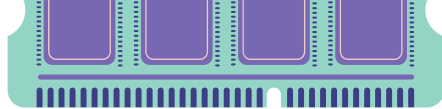
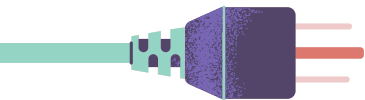
- Attend lectures
- Come to office hours
- Study with your peers

Class Survey: Who are you?

Class Survey

This Friday

- Database System.
- Set up GitHub & Discord



THANKS

