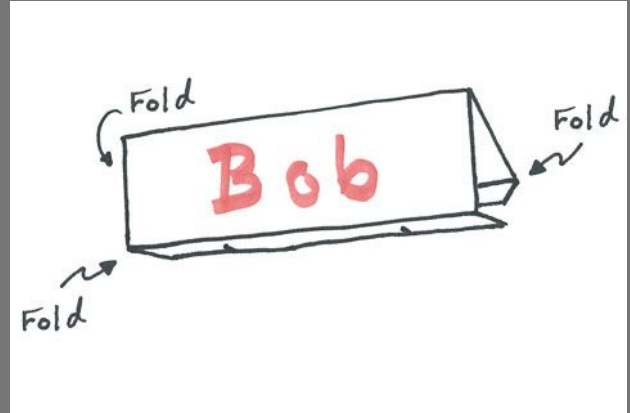# Welcome!

Grab a sheet of paper and make a name tent for yourself! Sharpies are on the tables

(Preferred name + pronouns + section (ZA/ZB))

Week 1

CSE 390Z
September 30, 2025

Who are we?

- Lisa (*she/her*)   Instructor
- Ameya (*she/her*)   TA, section ZA
- Jolie (*she/her*)   TA, section ZB
- Shruti (*she/her*)   TA, section ZB
- Zareef (*he/him*)   TA, section ZA

Lisa Elkin (she/her)

Academic Background

BMath, C&O and Pure Math, University of Waterloo, 2012

MET, Entertainment Technology, Carnegie Mellon, 2015

MMath, Computer Science, University of Waterloo, 2018

PhD, UW CSE, 2018 - ???

Teaching/TA Experience

311, Data Viz, HCI, Linear Algebra, Calculus, Intro CS, CS for non-majors

Hobbies

Skiing, reality TV, mediocre nail art, being obsessed with my dog

Ameya Saund

Academic Background:

- Major: Computer Science
- Minor: Data Science

Hobbies:

Ice Skating, Dance (JOIN UW RAAS!), PICKLEBALL, and hiking

Jolie Davison

Academic Background
➤ Computer Science
➤ Senior
➤ Cascadia College -> UW

Hobbies
➤ Hiking
➤ Baking
➤ Crocheting
➤ Soccer

Little Annapurna, a crochet orange pouch, and a hat signed by Seattle Reign players
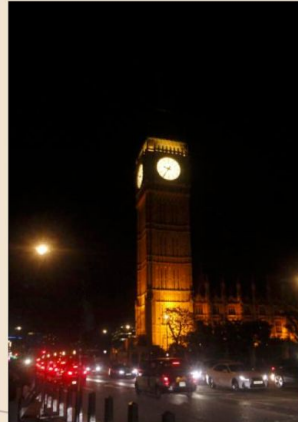
Shruti Badrish

academic background:
- major: computer science
- minor: entrepreneurship (hopefully!)

hobbies: art, camping, traveling!

recent piece based on
work by johann zoffany

london, summer 2025

Zareef Amyeen

Academic Background:

4th year in Computer Science and Math!

Hobbies

Running, Basketball, Football

Winston Elkin

Academic Background

Doggy School Level 1*

PhD, UW CSE, 2019 - ???

Dissertation: Evaluating the Impact of Tree Species on a Dog's
Desire to Pee on it: an Autoethnography

Hobbies

Barking at ghosts, barking at water bottles, hopefully not barking at you

* Indicates candidate did not complete all requirements but passed due to being very cute.

What is 390z?

- A weekly workshop to review 311 concepts and do guided practice
  - 311 is tricky & moves fast
  - Low stakes environment
  - 390z has a high staff-to-student ratio
- ~3 hours of commitment a week
  - 2 hours in workshop
  - 1 hour outside of class: Quick Check, Skills Assessments

Student Testimonials

"In an ideal world, I'd have a class like this every quarter. Not only is it the sole reason behind my understanding of most of the 311 concepts, but things like the Imposter Syndrome workshops are something that we students simply can't find in other courses."

"I really liked how the TAs were always available to help when needed. They explained everything so well with so much patience."

"It was a really great supplement to the 311 lectures and section since it can be very overwhelming sometimes."

Who are you?

Spend the next 15 minutes getting to know your neighbors!

- Introduce yourselves
- Have a discussion inspired by the tabletop discussions handout
- Make a name tent for yourself with your preferred name, pronouns, and section (ZA or ZB) (if you haven't already)

Course Policies

Course Tools/Resources

- Course website
  - cs.uw.edu/cse390z
  - Contains everything you need for the course (syllabus, calendar, assignments, etc.)
- Gradescope
  - Where you submit assignments
- EdStem
  - Discussion board
  - Can make private or anonymous posts
  - Preferred method of communication with staff (will likely get a faster response than through email)
- Email
  - cse390z-staff@cs.washington.edu, lelkin@cs.washington.edu
- Canvas
  - Only to transfer grades to UW's system at the end of the quarter
  - Will not be updated during the quarter

Assignment Details

- [Quick Checks](#)
  - Weekly
  - Released on Tuesday
  - Due the following Monday at 11:59pm
  - Goal is to try the problem before watching the video. Does not have to be correct.
- Skill Assessments
  - Four total
  - Released on Tuesday
  - Due on a Monday at 11:59pm, but not necessarily the following Monday
- Resubmissions and Late Work
  - You can re-submit up to **three** assignments (quick check or skill assessment) during the quarter. Details in a few weeks.
  - You can also use your resubmissions to submit late work. Otherwise, late work will not be accepted unless you have a valid reason and arrange it with us in advance or have an emergency. Make a private post on Ed or email us at cse390z-staff@cs.washington.edu
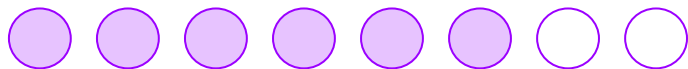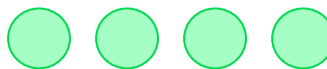
Grading Structure

Course is credit/no-credit

- Each assignment is satisfactory (S) / not satisfactory (N)
  - All assignments are graded on effort, not correctness

Workshop Participation: 6 of 8 (week 1 doesn't count)

Skills Assessments: 4 of 4

Quick Checks: 7 of 9

Exam Preparation: 2 of 3

Office Hours

- 390Z office hours are an invaluable resource for support in 311
    - TA office hour times and locations on course website as well.
    - Office hours start tomorrow.
    - Don't know what to ask? Some OH begin with a dedicated **conceptual review.** See schedule on course website
- **We cannot answer questions about 311 homework**
    - We can answer questions about 311 lecture content and section problems.

Student Expectations: In & Out of the Classroom

- Everyone in this class deserves to be here

- All questions are good questions, in class and on Ed

- Please limit use of devices to 390z-related activities

- Stay caught up with 311; we are here to support your learning, but we will be keeping pace with 311 every week

Upcoming Deadlines

Upcoming Deadlines

Quick Check 1

- Available today at 4:30 on [course website](#)
- **Due**: Monday Oct. 6th, 11:59 PM

LaTeX About Me

- Available today at 4:30 on course website
- **Due**: Monday Oct. 13th, 11:59 PM

Conceptual Review

Conceptual Review

(a) What is the difference between an atomic and compound proposition?

An atomic proposition cannot be broken down into smaller propositions.
"I like to run and I like to draw" is compound, "I like to run" is atomic .

(b) What does it mean for two propositions to be equivalent ($p \equiv q$)?

They always have the same truth value.

(c) What does it mean for two propositions to be biconditional ($p \leftrightarrow q$)?

$p \leftrightarrow q$ is a proposition that may be true or false. It is equivalent to $p \rightarrow q \wedge q \rightarrow p$. Another way to think about it is $p \equiv q$ and $p \leftrightarrow q \equiv T$ have the same meaning

(d) What are two different methods of showing that two propositions are equivalent?

  1)   Write truth tables for each proposition. Check that each row has the same truth value.
  2)   Write a chain of equivalences from one proposition to the other.

Common Gotchas: "only if"

I am at the beach if it is sunny outside

Rewrite to if...then...
If it is sunny outside, then I am at the beach

It is sunny outside only if I am at the beach

If it is sunny outside then I am at the beach   If I am at the beach then it is sunny outside

Common Gotchas: "only if"

I am at the beach if it is sunny outside

Rewrite to if...then...
If it is sunny outside, then I am at the beach

It is sunny outside only if I am at the beach

If it is sunny outside then I am at the beach   ✔

Common Gotchas: "only if"

I am at the beach if it is sunny outside

Rewrite to if…then…
If it is sunny outside, then I am at the beach

It is sunny outside only if I am at the beach

If it is sunny outside then I am at the beach ✔

We're not making a promise about what happens if I'm at the beach.
We're putting a **restriction** on when it's allowed to be sunny.

p	q	$p \to q$
T	T	T
T	F	F
F	T	T
F	F	T

Workshop Problems

Collaborate & ask questions!

Work on Q1

Work on Q3

Q3 Solution

p	q	r	$\neg q$	$p \rightarrow \neg q$	$r \oplus q$	$(p \rightarrow \neg q) \rightarrow (r \oplus q)$
T	T	T	F	F	F	T
T	T	F	F	F	T	T
T	F	T	T	T	T	T
T	F	F	T	T	F	F
F	T	T	F	T	F	F
F	T	F	F	T	T	T
F	F	T	T	T	T	T
F	F	F	T	T	F	F

Work on Q4

311 Logical Equivalences Reference

Work on Q5

If we have time: Work on Q6

Exit Ticket:

Your Name Card +

Your Preferred Name, Your Official UW Name & What are you hoping to get out of 390z?

Reminders

Upcoming Assignments

- Quick Check 1

  Due: Monday Oct. 6th, 11:59 PM

- LaTeX About Me

  Due: Monday Oct. 13th, 11:59 PM

Office Hours

- Schedule already posted
- Start tomorrow!