

# Welcome to CSE 121!

Simon Wu  
Summer 2024

Use this QR code as one  
way to ask questions!



TAs: Trey    Hannah    Mia    Vivian    Jolie    Colton    Ziao

[sli.do #cse121](https://sli.do/#cse121)

# Agenda (1/3)

- About us
- About our class
  - What is this course?
  - Our learning model
  - Getting help
  - Syllabus questions
- Writing our first java program!

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# Hi, I'm Simon! (he/they)

- Just recently graduated (BS) from UW last quarter!
  - double-majored in CS and AES
  - TA'd for 7 quarters (5 were intro!)
- Grew up in the Seattle area
- Computer science interests: CS education, systems programming
- non-CS interests: kpop, video games, aquariums



# How did Simon discover CS?

SPRING 2021

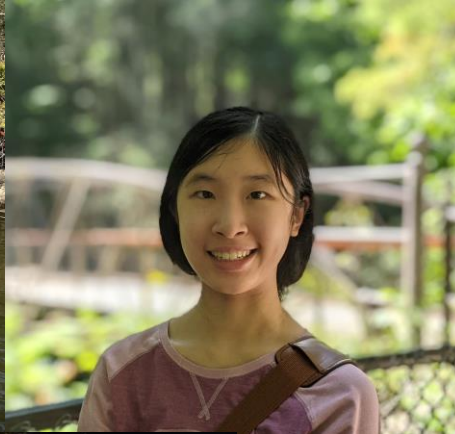
CHID 3

AES	380	RACE&USA	PUBLIC	POL
AES	462	COMPAR	RACE	RELATNS
CSE	142	COMPUTER	PRGRMNG	I
HONORS	232	WH-HONORS	SOC	SCI 3



**Incomplete** - An Incomplete is given only when the student has been in attendance and has done satisfactory work until within two weeks of the end of the quarter and has furnished proof satisfactory to the instructor that the work cannot be completed because of illness or other circumstances beyond the student's control. A written statement of the reason for the giving of the Incomplete, listing the work which the student will need to do to remove it, must be filed by the instructor with the head of the department or the dean of the college in which the course is given.

# Meet your amazing TAs!



# Agenda (2/3)

- About us
- About this course ←
  - What is this course?
  - Other learning model
  - Getting help
  - Syllabus questions
- Writing our first Java program!

# Learning Objectives

*or, “What will I learn in this class?”*

- **Computational Thinking**
- **Code Comprehension**
- **Code Writing**
- **Communication**
- **Testing**
- **Debugging**
- **Ethics & Societal Impact**



# Other Similar Courses

Course	Good choice if...
CSE 121	<ul style="list-style-type: none"><li>• You've never programmed before AND</li><li>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming</li></ul>
CSE 122	<ul style="list-style-type: none"><li>• You've done some programming (roughly one course worth) in any programming language AND</li><li>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming</li></ul>
CSE 123	<ul style="list-style-type: none"><li>• You've taken CSE 122 AND</li><li>• You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming</li></ul>
CSE 160	<ul style="list-style-type: none"><li>• You've never programmed before AND</li><li>• You're interested in data science and analysis OR</li><li>• You'd rather learn Python than Java* OR</li><li>• You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful</li></ul>

*Other courses of interest: CSE 154, CSE 163*

See [Guided Self-Placement](#) and [Introductory Courses](#) for more info



# How Learning Works

Learning requires **active participation** in the process.

It's not as simple as sitting and listening to someone talk at you!

- Requires **deliberate practice** in **learning by doing**
- Benefits from **collaborative learning**
- Does not work well if you cram everything!



# Pre-Class Materials (1/3)

Core element of course: **pre-class material**

- prepare for each lecture with readings & practice problems
- should take ~30 minutes per lecture (why we don't have Monday lectures!)
- class will start with a brief recap, then pick off where we left off

# Pre-Class Materials (2/3)

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Which means...

- we can spend lecture diving deeper, answering questions, and think-pair-share
- you can ask about pre-lecture material in class or quiz section!

# Pre-Class Materials (3/3)

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- you can ask about pre-lecture material in class or quiz section!

Pre-class materials are ungraded, which means...

- it's okay if you find them challenging – that means you're learning!
- but, you should do them, and we will assume you've done them

# Consistent and Active Participation (1/2)

Attendance is not graded. But, it's strongly encouraged!

- lectures & sections are not going to be just us talking at you!
- ex: live in-class coding, debugging, think-pair-share, and problem-solving
- spreading out ~ 1-2 hours each day over Tuesday – Friday is much more effective than cramming before the assignment is due!

# Consistent and Active Participation (2/2)

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- lectures & sections are not going to be just us talking at you!
- ex: live in-class coding, debugging, think-pair-share, and problem-solving
- spreading out ~ 1-2 hours each day over Tuesday – Friday is much more effective than cramming before the assignment is due!

Catching up:

- all lectures are recorded on Panopto; slides are on our website.
- section materials are on Ed, but section will not be recorded.



# CS is hard!

## Computer Science Prerequisites

The Computer Science major is offered through the College of Arts & Sciences. Students applying to this major must complete the following requirements prior to the application deadline:

- Math 124, 125 & 126 (or Honors Math 134, 135, & 136)
- Five credits of science coursework.
- Five credits of English composition coursework.
- CSE 121, 122 & 123\* OR CSE 142 & 143\*
  - \*While CSE 121 & CSE 142 remain admissions prerequisites, we do not consider them when evaluating grades in pre-requisite courses for current UW students. Additionally, if a student completes CSE 123 or 143 without taking the preceding courses in the series, that is also acceptable for the admissions process.

# Course Culture and Support: Live Support

Introductory Programming Lab (TA Office Hours – starting next week!)

- #1 place to get help (and highly rated in the class!)
- face-to-face help from TAs on **any** course questions – not just assignments

TA Section

- Work through practice problems (this is how you learn!)
- Get to know your TAs & peers!

Instructor Office Hours (in-person)

- I don't byte (most of the time)
- Great for things from lecture, personal questions, or just to say hi!

# Course Culture and Support: Ed & Email

## Ed Board

- Best for content and logistics questions – ~60 of you >> 7 of us!!
- Feel free to make them public or private (and/or anonymous)
- Answer other students' questions – great way to learn!

## Email

- Best for personal circumstances and/or private questions
- If unsure, always feel free to email Simon (at [simonswu@uw.edu](mailto:simonswu@uw.edu))
- May politely ask you to post on Ed instead!

# The World Around CSE 121 & Reaching Out

Our goal is to give you a great CSE 121 experience!

But CSE 121 does not exist in a vacuum – there's a lot going on in the world right now that can impact your education.

We've designed course policies for maximum flexibility: resubmissions, dropping quiz/exam problems, asynchronous help & lecture recordings.

**Please reach out ASAP** if you're struggling or have circumstances that require extra support. We're happy to help – we just need to know!

# Course Website

cs.uw.edu/121

- Primary source of course information (not Canvas)
- Calendar will contain links to (almost) all resources

The screenshot shows the course website for CSE 121 at the URL [courses.cs.washington.edu/courses/cse121/24su/](https://courses.cs.washington.edu/courses/cse121/24su/). The page is titled "CSE 121" and features a navigation menu on the left with links to Home / Calendar, Syllabus, Programming Assignments, Creative Projects, Resubmissions, Exam, Staff, Office Hours, Grading Rubrics, COVID-19 Safety, Resources, and Search Site. Below the menu are links for Course Tools, EdStem, and Anonymous Feedback. The main content area is titled "Calendar" and includes an "Info" section stating that the schedule is a rough sketch and subject to change. Below this is a "Lessons" section explaining that lesson materials should be read before class. The calendar table shows the following schedule:

Topic	Programming / Creative Projects	Resubmissions
Week 1		
Tue 06/18		
Wed 06/19		
Thu 06/20		
Fri 06/21		

The calendar table shows the following schedule:

- Week 1
- Tue 06/18: [No section today]
- Wed 06/19: **LES 00** [Optional] Welcome to the course!   
 Note: In-person lecture cancelled due to Juneteenth holiday. The welcome video will be posted instead!   
 Resources: videos >
- Thu 06/20: **SEC 00** Introductions, Course Policies!   
 Resources: materials
- Fri 06/21: **LES 01** Printing, Hello World!   
 Pre-Class: materials

At the bottom right of the calendar table, there is a "RELEASED" button with a "CO" icon.

# Syllabus (website)

Please review the syllabus ASAP.

21  
Calendar

Assignments  
Projects  
Syllabus  
Resources  
Feedback

## Syllabus

### Course Information

Teaching Staff  
Instructor: Matt Wang  
Instructor Email: [mxw@cs.washington.edu](mailto:mxw@cs.washington.edu)  
Registration Questions: CSE Advisers ([ugrad-adviser@cs.washington.edu](mailto:ugrad-adviser@cs.washington.edu))  
Course Staff and Support Hours: [Course Staff and Office Hours](#)

▼ Who to contact?  
To ensure the security of your personal information, all communication related to this course should be conducted through either the EdStem platform or via your UW-issued email address. Personal email addresses should not be used for course-related correspondence.

Here are some common types of questions and the best place to ask them to get the fastest and most accurate response.

- **Registration questions?** Email the CSE advisers as the course staff do not have access to add codes.
- **Questions about course concepts?** Visit office hours in the Introductory Programming Lab (IPL), instructor office hours, or post on the [Ed Discussion board](#) (more info below)
- **Questions about assignments?** Visit office hours in the Introductory Programming Lab (IPL), instructor office hours, or post on the [Ed Discussion board](#) (more info below)
- **Questions about extenuating circumstances?** Post privately on the [Ed Discussion board](#) (more info below) or email Matt at [mxw@cs.washington.edu](mailto:mxw@cs.washington.edu)

Class Session Meeting  
See [Class Sessions](#) for information on how each day of class will be run.

# CSE 121

Home / Calendar

**Syllabus**

Programming Assignments

Creative Projects

Resubmissions

Exam

Staff

Office Hours

Grading Rubrics

COVID-19 Safety

Resources

Search Site

## Introduction to Computer Systems Summer 2024

### Welcome to CSE 121: Introduction to Computer Systems

► What is this class? What will I learn?

► Prior Experience and Expectations

**Syllabus** If you want to learn more about the course, please review the syllabus.

**Feedback** Feedback is always welcome! You can provide feedback on the course.

**Registration** Please do not email the course staff if you do not have access to add codes. Please contact the CSE Advisers for more information.

# Ed

- Our online learning platform
- Lessons, sections, quizzes all here
- Intro and walkthrough in Section 0

The screenshot shows the Ed Discussion board interface for CSE 121 - 24su. The top navigation bar includes a search bar, a 'New Thread' button, and various utility icons. The left sidebar lists courses and categories. The main content area displays a 'Welcome!' announcement by Simon Wu, a staff member, with 63 views and 12 replies. The announcement text includes a welcome message and information about the course website and first class dates. A 'Resources' section is also visible, with a warning icon indicating that parts of the course website are still under construction.

ed CSE 121 - 24su - Ed Discussion

[New Thread](#) Search Filter

COURSES

- Allen School Career B... 1221
- Allen School Undergr... 3344
- CSE 121 - 24su**
- CSE 122 - 24su 2
- CSE 123 - 24su 7
- 5 more

CATEGORIES

- Lectures
- Sections
- Pre-Class Material/Work
- Programming Assignme...
- Creative Projects
- Quizzes
- Resubmissions
- Final Exam

[Optional] Welcome + Syllabus Walkthrough Video  
Announcements Simon Wu STAFF 2d 2 4

Welcome!  
Announcements Simon Wu STAFF 3d 2 12

This Week

- Checking off Pre-Class work ✓
- Pre-Class Material/Work Anonymous 10h 3

Welcome! #1

Simon Wu STAFF  
3 days ago in Announcements  
UNPIN STAR WATCHING 63 VIEWS

Hi everyone!

12 Welcome to CSE 121!! My name is Simon Wu, and I will be your instructor this quarter. I'm super excited to get to know you all!

I hope you had an enjoyable Summer so far. You're receiving this email on our Ed Discussion board, which will be the main place for you to connect with your classmates and the course staff.

The rest of this post is a combination of different logistics items. Please read this carefully before our first section on **Thursday** and our first class on **Friday!**

Resources

⚠ Parts of course website is still under construction! Most of the information should be up to date, but minor changes may be made until the end of the week. If you notice anything off, feel free to let us know!

In CSE 121, the course website will host all of the information about the course! You can find the course website at <https://courses.cs.washington.edu/courses/cse121/24su/> (short URL: <https://cs.uw.edu/121>). Some relevant pages will include the syllabus, the lecture calendar, and

<https://edstem.org/us/courses/59846/discussion/5047646>

# Help us improve!

CSE 121 is **super new!** We've worked hard to build a course that we think will be effective, supportive, and help you succeed.

But... we probably didn't get it all right!

- We appreciate your patience and understanding if we need to make adjustments during the quarter

Please give us lots of feedback!

- Post on Ed
- Mid and end-of-quarter feedback
- Use [CSE Anonymous Feedback Tool](#)



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# Escape Sequences

***escape sequence:** A special sequence of characters used to represent certain special characters in a string.*

- *\ " to produce " in a String*
- *\\ to produce \ in a String*
- *\n to produce a new line character (or line break) in a String*
- *And there are more!*

# Poll in with your answer!



[sli.do #cse121](https://sli.do/#cse121)

How many lines of output would the following code produce?

```
System.out.println("hello");  
System.out.print("hi");  
System.out.print("yo");  
System.out.println("greetings");  
System.out.print("sup");  
System.out.println("hey");
```

- a) 0 (error!)
- b) 1
- c) 2
- d) 3
- e) 5
- f) 6

# Homework for Next Time

Your first assignment (C0: Hello Bugs) is released!

Due next Wednesday at 11:59 pm

Start early and ask questions!