Welcome to CSE 121!

Brett Wortzman/Elba Garza

Autumn 2022

Agenda

- About us
- About this course
  - Learning objectives
  - Other similar courses
  - Course components
- Our learning model
- Tools and resources
  - Course Website
  - Ed
- Hello, World!
- Assessment and grading
- Collaboration

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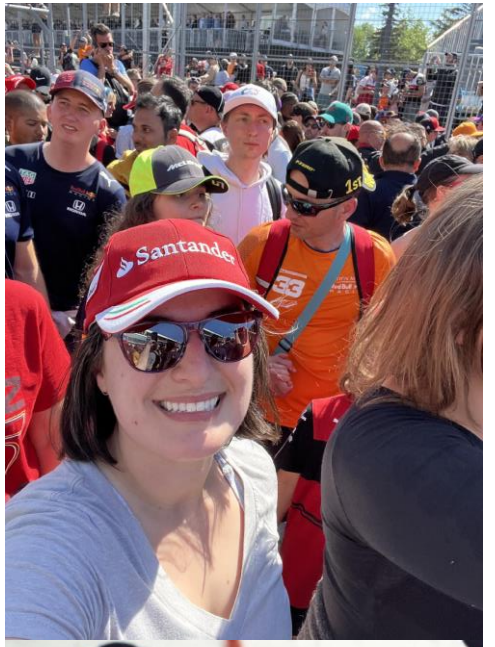
Hi, I'm Brett! (he/him)

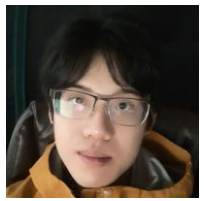
- Associate Teaching Professor
- Frequent intro CS instructor
  - Lead designer/developer of new 12X curriculum
- Also interested in CS education/pedagogy
- Previously:
  - trained CS teachers
  - developed CS curriculum
  - taught high school CS
  - worked as a software engineer

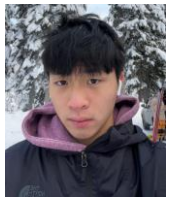
Hi, I’m Elba! (she/her)

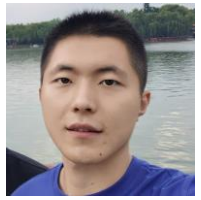
- Newly minted Assistant Teaching Professor
- PhD in CS (Computer Architecture)
- Previously:
  - taught CSCE 121... at a different university!
  - TA’d multiple CS courses

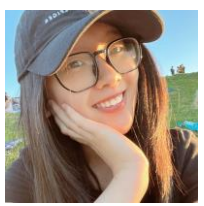


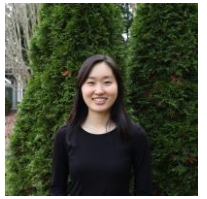
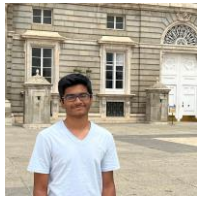
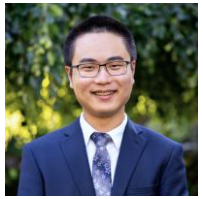
Meet (most of) your 42 TAs!

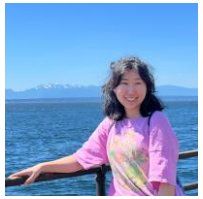
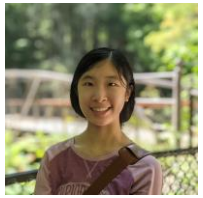


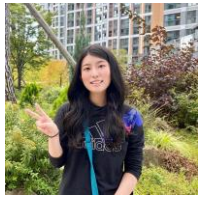


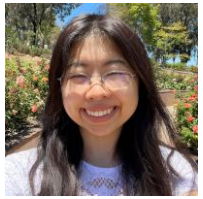
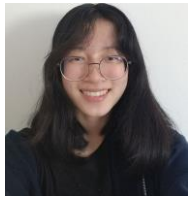


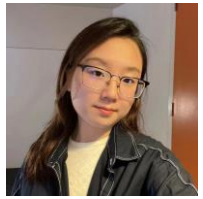






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Learning Objectives

or, "What will I learn in this class?"

Seven themes:

- Computational Thinking
- Code Comprehension
- Code Writing
- Communication
- Testing
- Debugging
- Ethics/Impact

Other Similar Courses

Course	Good choice if…
CSE 121	• You've never programmed before AND • You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming
CSE 122	• You've done some programming (roughly one course worth) in *any* programming language AND • You are, or want to be, in a major such as CS, CE, ECE, Info, etc. that requires Java programming
CSE 143	• You took CSE 142 at UW, at a community college, or through UW in the High School
CSE 160	• You've never programmed before AND • You're interested in data science and analysis OR • You'd rather learn Python than Java* OR • You are, or want to be, in a major such as Physics, Bio, Stat, etc. where analyzing data through programming is useful

Other courses of interest: CSE 154, CSE 123 (23wi), CSE 163 (23wi)

See Guided Self-Placement and Introductory Courses for more info

Help Us Improve!

- CSE 121 is ***brand new!***
- We worked hard to build a course we think will be effective and supportive and help you succeed
- 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 and/or use the Anonymous Feedback Tool

Course Components

Lessons (aka Lectures)

- WF, 11:30 or 2:30
- Held live in KNE; recordings released after
- First introductions to course concepts
- Mix of presentation of content and practice activities/problems
- Pre-work for most sessions

Sections

- TuTh, various times
- Led by TAs
- Held live in person; ***not*** recorded
  - Materials will be released online afterwards
- Additional review, discussion, and practice
- Mostly practice problems

Attendance is not taken, but you are responsible for all material (including announcements).

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Digression: My Pandemic Hobby

Amigurumi: Japanese art of creating crocheted or knitted stuffed toys

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Course Culture and Support

- Currently 841 students enrolled!
  - Wide range of backgrounds, interests, and goals
  - *Everyone* is new to programming
- Support and help each other!
  - Form study groups
  - If you have a question, others almost certainly do too
- Lots of ways to get support from us
  - Message board, IPL, section

Course Culture and Support

- Policies designed with flexibility in mind
  - Resubmissions/Retakes, lecture recordings

- But life and the world still happen…

- ***Please reach out ASAP*** *if you're struggling or have circumstances that require extra support*

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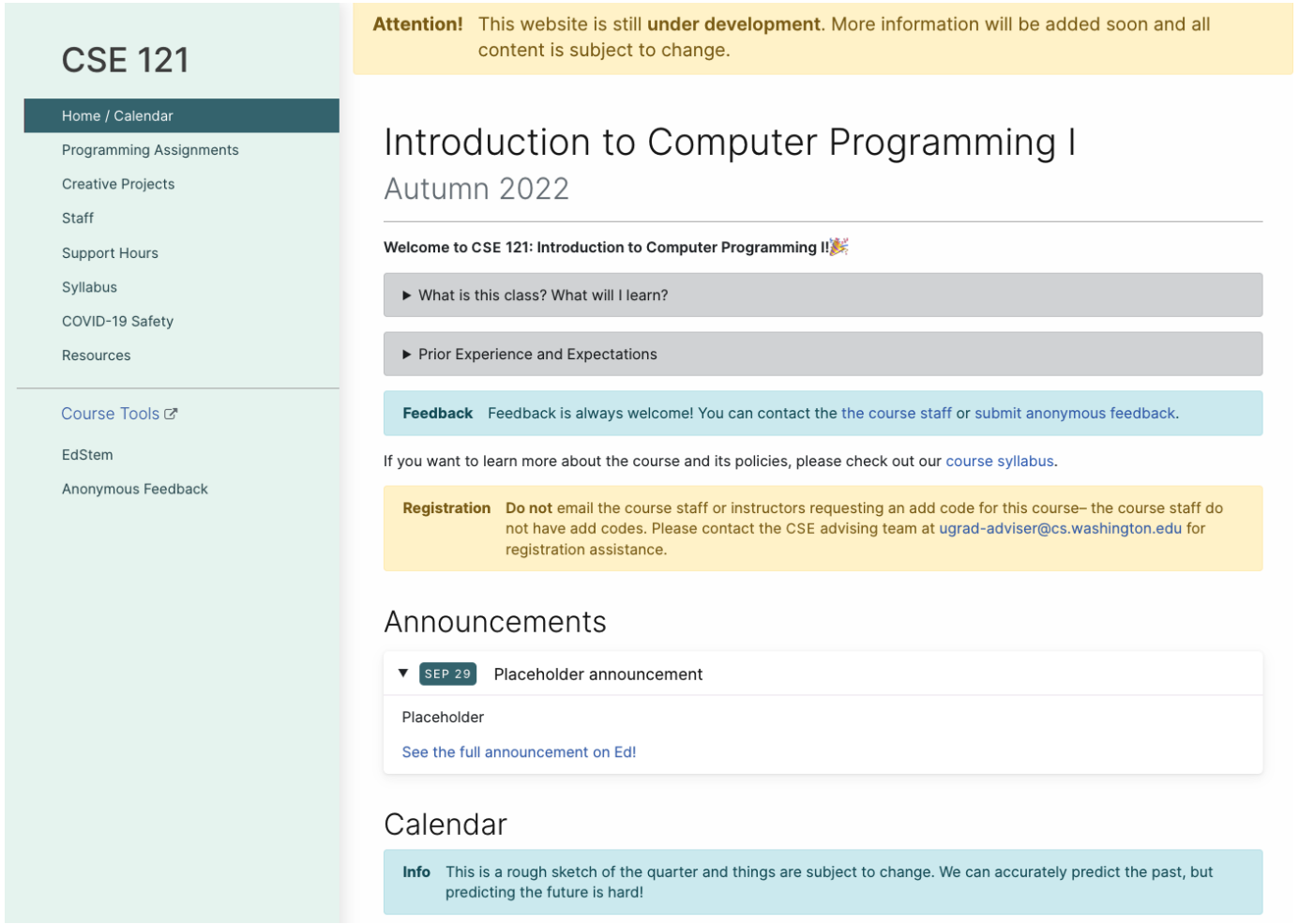
Course Website

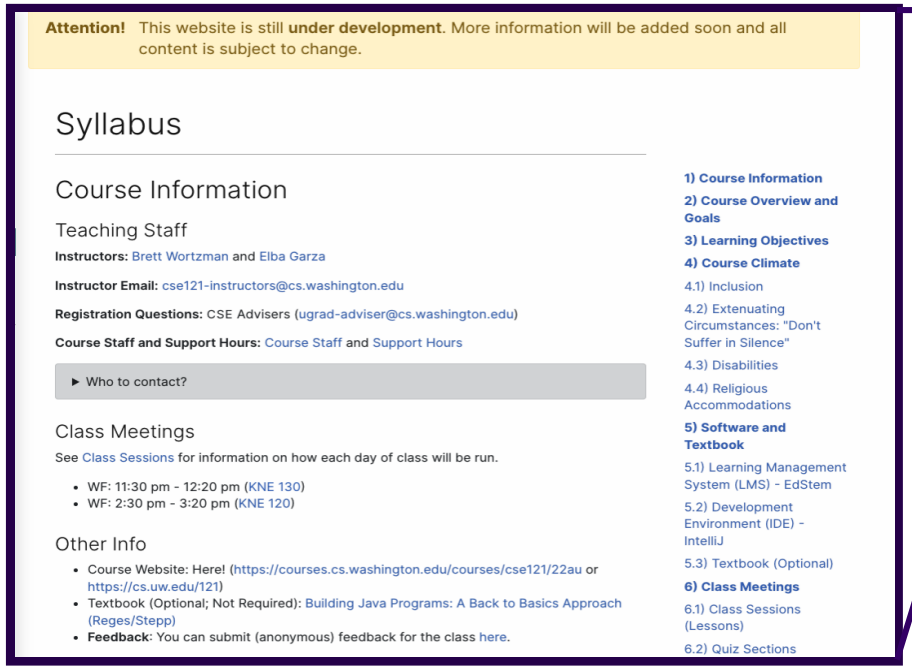
cs.uw.edu/121

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



Course Website

Please review the syllabus ASAP.



Attention! This website is still **under development**. More information will be added soon and all content is subject to change.

Syllabus

Course Information

Teaching Staff

Instructors: Brett Wortzman and Elba Garza

Instructor Email: cse121-instructors@cs.washington.edu

Registration Questions: CSE Advisers (ugrad-adviser@cs.washington.edu)

Course Staff and Support Hours: Course Staff and Support Hours

▸ Who to contact?

Class Meetings

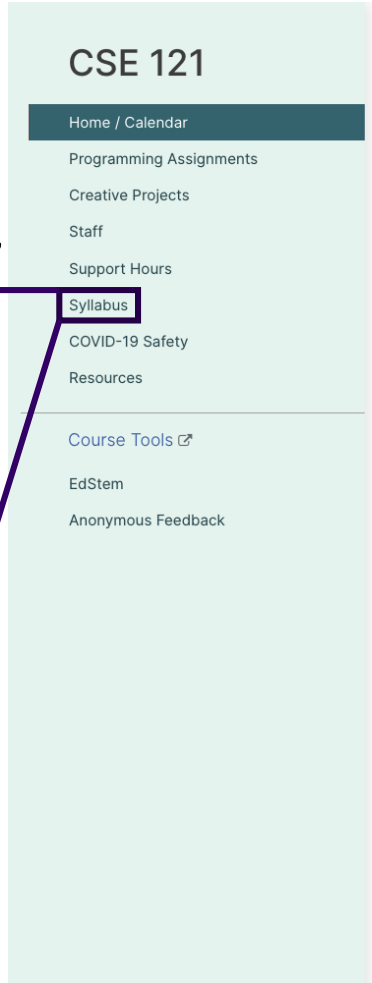
See Class Sessions for information on how each day of class will be run.

- WF: 11:30 pm - 12:20 pm (KNE 130)
- WF: 2:30 pm - 3:20 pm (KNE 120)

Other Info

- Course Website: Here! (https://courses.cs.washington.edu/courses/cse121/22au or https://cs.uw.edu/121)
- Textbook (Optional; Not Required): Building Java Programs: A Back to Basics Approach (Reges/Stepp)
- **Feedback**: You can submit (anonymous) feedback for the class here.

1) Course Information
2) Course Overview and Goals
3) Learning Objectives
4) Course Climate
4.1) Inclusion
4.2) Extenuating Circumstances: "Don't Suffer in Silence"
4.3) Disabilities
4.4) Religious Accommodations
5) Software and Textbook
5.1) Learning Management System (LMS) - EdStem
5.2) Development Environment (IDE) - IntelliJ
5.3) Textbook (Optional)
6) Class Meetings
6.1) Class Sessions (Lessons)
6.2) Quiz Sections



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Introduction to Computer Programming I

Autumn 2022

Welcome to CSE 121: Introduction to Computer Programming I!🎉

▸ What is this class? What will I learn?

▸ Prior Experience and Expectations

Feedback Feedback is always welcome! You can contact the the course staff or submit anonymous feedback.

If you want to learn more about the course and its policies, please check out our course syllabus.

Registration **Do not** email the course staff or instructors requesting an add code for this course– the course staff do not have add codes. Please contact the CSE advising team at ugrad-adviser@cs.washington.edu for registration assistance.

Announcements

▾ SEP 29 Placeholder announcement

Placeholder

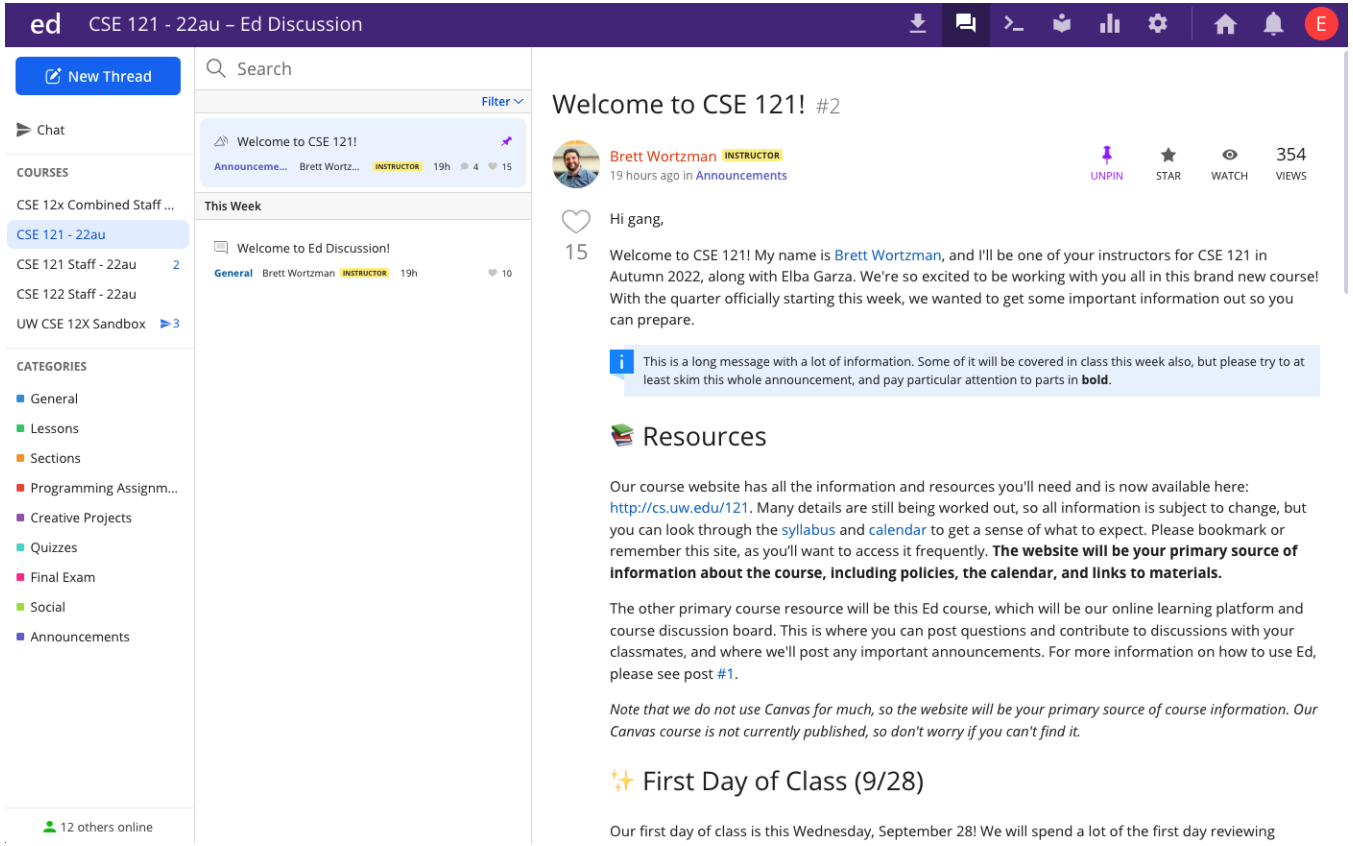
See the full announcement on Ed!

Calendar

Info This is a rough sketch of the quarter and things are subject to change. We can accurately predict the past, but predicting the future is hard!

Ed

- Our online learning platform
- Lessons, sections, assignments posted
  - Linked from calendar
- Submit graded work
- Receive/View feedback
- Message board
  - Including announcements



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Assignments and Grading

- Our goal in the course is for you to **gain proficiency the concepts and skills** we teach
- We assess your proficiency by asking you to apply the concepts and skills on tasks or problems
- By necessity, we are assessing your *work* as a proxy for your proficiency

Assignments

- Your learning in this course will be assessed in four ways:
  - Programming Assignments (~biweekly, 4 total)
    - Structured programming assignments to assess your proficiency of programming concepts
  - Creative Projects (~biweekly, 4 total)
    - Smaller, more open-ended assignments to give you space to explore
  - Quizzes (4 total, in section)
    - Series of problems covering all material up to that point
  - Final Exam (Wednesday, December 14)
    - Final, culminating assessment of all your skills and knowledge

Resubmission/Retakes

Learning takes time, and doesn't always happen on the first try

- One previous Programming Assignment or Creative Project can be **resubmitted** each week
  - Must be accompanied by a write-up describing changes
  - Grade on resubmission will replace original grade
  - Each assignment should only be resubmitted once
- Each Quiz can be retaken once
  - Retakes scheduled at certain times– details forthcoming

- See the syllabus for more details

Grading

Grades should reflect your proficiency in the course objectives

- All assignments will be graded **E (Excellent), S (Satisfactory), or N (Not yet)**
  - Under certain circumstances, a grade of U (Unassessable) may be assigned
  - In some cases, not all grades will be given
- Final grades will be assigned based on the **amount of work at each level**

- See the syllabus for more details

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Collaboration Policy

Learning is hard, but it's easier when you learn from each other

- You are encouraged to form study groups; work together on pre-class work, practice and review; and discuss your ideas and approaches
- All work you submit for grading **must be *predominantly* and *substantially* your own**
- Work that violates policy may be withdrawn within 72 hours

- See the syllabus for more details