

San José State University
Computer Science Department
CS190/CS190I, Internship Project, Sections 80, Fall, 2023

Course and Contact Information

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| Instructor: | H. Chris Tseng |
| Office Location: | Online |
| Telephone: | (408) 924-7255 |
| Email: | chris.tseng@sjsu.edu |
| Office Hours: | Mon/Wed: 8:45 - 9:15 PM Tue/Thur: 5:45 – 6 PM Sat: 4:30 – 5:00 PM with 1-1 appointment |
| Class Days/Time: | Sat 1:30 – 2:45 PM |
| Classroom: | Online |
| Prerequisites: | CS 146 (with a grade of "C-" or better) or graduate standing, selection by a company, and instructor consent |

Course Format

Technology Intensive, Hybrid, and Online Courses

This course will be conducted in the form of a collaborative and interactive manner. We will meet online. In addition to career and job preparation guidelines from the instructor, students will share their related info for peer learning purposes.

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the [Canvas Learning Management System course login website](#) at <http://sjsu.instructure.com>. You are responsible for regularly checking with the messaging system through [MySJSU](#) at <http://my.sjsu.edu> to learn of any updates.

Course Description

Catalog description: Work on an approved semester-long paid project at an industrial site. Meet once per week on campus. Progress reports, oral presentations, final report, and evaluation by project supervisors will be used to demonstrate the acquisition of skills identified as goals prior to the start of the assignment. (See prerequisites description on top of this page)

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will be able to:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.

4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.

(The above learning outcomes are provided by ABET (<http://www.abet.org/>) for CS programs under the URL <https://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-computing-programs-2019-2023/#GC3>.)

Required Texts/Readings

Textbook

No textbook is needed. Class material will be posted on the Canvas account under <http://sjsu.instructure.com>.

Additional Readings

A list of additional readings will be provided on the Canvas page associated with this class under <http://sjsu.instructure.com>.

Other technology requirements / equipment / material

You will be required to have a wireless-network ready laptop computer to participate in the class. You will also need to use your own laptop with wireless access to submit your assignment inside the SJSU campus. Your laptop needs to have wireless capability and you need to register a free wireless account at <https://one.sjsu.edu/>. The instructor is not responsible for providing either laptops or alternatives.

Course Requirements and Assignments

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course (normally three hours per unit per week) for instruction, preparation/studying, or course-related activities, including but not limited to internships, labs, and clinical practica. Other course structures will have equivalent workload expectations as described in the syllabus.

a. Presentation:

Students will present both of the following:

1) Behavior questions and:

You will share your behavior questions from your prior interviews. Students will share their best practices in preparing for behavior questions.

All students are encouraged to learn tips on preparing for behavior questions and provide constructive improvement feedback.

2) Presentation on technical tasks:

What you do in your internship. This includes processes and plans undertaken, software tools used, what they have accomplished and delivered, and a reflection on what could have been done better. All students are encouraged to learn different processes and technical tools and provide constructive feedback.

Students will sign up for their presentation schedule on the first day of the class. Changes to any presentation schedule without notice or shorter than a week will receive a -10/100 penalty.

b. Weekly participation:

All students are encouraged to participate in the Q&A discussion after each presentation by other students. This will be logged in Canvas for grading purposes. Please note complimentary comments will not count towards this item. Those whose participation are on par with the average weekly participation of the semester will score 90/100 for this item. Proportionally higher/lower scores will be assigned to those who participate above or below the class average.

What counts towards your weekly participation:

Spoken Q&A (not chats) interactions with students' presentations (one count per any student's presentation) or 1-1 response to instructor's questions to the class.

*Complimentary comments will not count.

*Your assigned presentation or response to questions will not count (since this is in a different assignment).

What you should do to have your weekly participation logged:

Immediately after the end of class, students should send a participation email to the instructor so their participation can be logged

Sample email with the title "Weekly participation in CSxxx-xx":

"Dear Professor Tseng,

The following are my participation for today:

1) Tried to answer the professor's question about the S.T.A.R technique. Talked about how it is about talking about resolving a problem by "Storytelling."

2) Ask Inder Raj about his thought on the working environment at Amazon due to all the "bad mounting" the company gets.

Thank you,

Mary Lee"

c. Final Report/Technical Report:

*CS190I students shall follow a final report template (download from Canvas→Modules→ Templates for presentation and reports→Internship Final Report Template.doc) to describe their job, ethics issues at work, and a self-evaluation.

*CS190 students will submit a technical report based on the technical report template (download from Canvas→Modules→ Templates for presentation and reports→CS190 Technical Report template.doc).

g. Tentative course exam and HW due dates:

(Please note that this is "subject to change at the discretion of the instructor")

HW: There will be around 4 assignments on items (a)-(c) above.

Final report due (Per [SJSU Fall final schedule](#)): 1:30 PM, Saturday, December 9, 2023.

Final Examination or Evaluation

The final will be based on your final report and the evaluation from your manager.

Grading Information (Required)

Grades:

| | |
|---|------|
| Presentation on behavior questions | 15% |
| Presentation on technical tasks | 15% |
| Weekly participation | 30% |
| Final evaluation by your manager | 15 % |
| Final Report(190I)/ Technical report(190) | 25 % |

Determination of Grades

Grades will be assigned as described below. These intervals, however, may change (i.e., either way!) according to the performance of the class as a whole. C- is a passing grade.

- A: [93, 100]
- A-: [90, 93)
- B+: [87, 90)
- B: [83, 87)
- B-: [80, 83)
- C+: [75, 80)
- C: [70, 75)
- C-: [65, 70)
- D+: [60, 65)
- D: [55, 60)
- D-: [50, 55)
- F: [0, 50)

Classroom Protocol

You are expected to attend classes. If you cannot attend, it is your responsibility to get a copy of the lecture notes and class announcements from a reliable classmate. The instructor reserves the right to ignore frivolous or inappropriate e-mail inquiries. Students are expected to participate actively to provide improvement to presentations by other classmates.

University Policies (Required)

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on the Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>. Make sure to review these policies and resources.

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Course Schedule

Online Zoom link: <https://sjsu.zoom.us/j/85125975396> (Need to login to your SJSU account to gain access to Zoom. All students must turn on the video to participate)

Sign up for your presentation schedule by Aug. 26, 2023: <https://signup.com/go/xfugamq>

The schedule is subject to change at the discretion of the instructor.

Course Schedule

| Week | Date | Topics, Readings, Assignments, Deadlines |
|------|-----------|--|
| 1 | 8/26/2023 | Introduction (what to do and expect in this course) and presentation signup |
| 1 | | <i>Preparing for the interview: behavior questions (sample questions; how to respond)</i> |
| 2 | 9/2/2023 | <i>Labor Day long weekend (no class)</i> |
| 2 | | |
| 3 | 9/9/2023 | Behavior questions presentation from selected students |
| 3 | | <i>Cover letter: facts; tips; format; What are hiring managers looking for?</i> |
| 4 | 9/16/2023 | Behavior questions presentation from selected students |
| 4 | | <i>Resume: Key resume content; layout and design; Review and revise</i> |
| 5 | 9/23/2023 | Behavior questions presentation from selected students |
| 5 | | <i>Job search techniques: What employers are looking for; local job market; how people get jobs; networking; how to build a trusted networking</i> |
| 6 | 9/30/2023 | Behavior questions presentation from selected students |
| 6 | | <i>Develop your brand: brand statement and its purposes; your story</i> |

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| 7 | 10/7/2023 | Behavior questions presentation from selected students |
| 7 | | <i>Portfolio: why need one; portfolio essential; what to include; tips; how to; examples; blogging</i> |
| 8 | 10/14/2023 | Behavior questions presentation from selected students |
| 8 | | <i>Networking: What your LinkedIn profile should have; getting the most out of LinkedIn; Networking online; in-person networking</i> |
| 9 | 10/21/2023 | Presentation on technical tasks from selected students |
| 9 | | <i>Preparing for the interview: best practices</i> |
| 10 | 10/28/2023 | Presentation on technical tasks from selected students |
| 10 | | <i>On-site interview: S.T.A.R. technique</i> |
| 11 | 11/4/2023 | Presentation on technical tasks from selected students |
| 11 | | <i>Interview: what follow up questions to ask; thank you notes</i> |
| 12 | 11/11/2023 | <i>Veterans Day long weekend (no class)</i> |
| 12 | | |
| 13 | 11/18/2023 | Presentation on technical tasks from selected students |
| 13 | | <i>Post-interview: salary negotiation(why negotiate; consider the whole package)</i> |
| 14 | 11/25/2023 | <i>Thanksgiving (no class)</i> |
| 14 | | |
| 15 | 12/2/2023 | Presentation on technical tasks from selected students |
| 15 | | |
| Final Exam | 1:30 PM Saturday, Dec 9, 2023 | Submission of your final report and manager evaluation (direct from your managers) |