San José State University
Computer Science Department
CS190/190I, Internship Project, Section 1, Spring, 2022

Course and Contact Information

Instructor:	H. Chris Tseng
Office Location:	MH213
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Email:	chris.tseng@sjsu.edu
Office Hours:	Tue/Thur 8:45 – 9:15 PM, Sat: 4:30-4:45 PM, and appointment by email
Class Days/Time:	Sat 1:30 – 2:45 PM (190)/ 1:30 – 4:30 PM(190I)
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](http://sjsu.instructure.com) at http://sjsu.instructure.com. You are responsible for regularly checking with the messaging system through [MySJSU](http://my.sjsu.edu) 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-2019-2022/#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. Resume presentation:
Students will present an overview of their resumes and share the best practices.

b. Interview technical questions:
You will share technical questions from your prior interview. Selected students will present their interview questions and share best practices for improvement feedback.

c. Presentation on technical tasks:
Students will present what they do in their 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.

c. Weekly participation:
All students are encouraged to participate in the Q&A discussion after each presentation by other students. Students will sign up for their presentation schedule by the due date. Changes to any presentation can only be done no later than a week before the scheduled presentation.

d. Final 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 an extended report based on their technical presentation instead.)

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 final schedule) 1:30 PM, Saturday, May 21, 2022.

Final Examination or Evaluation

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

Grading Information (Required)

Grades:

Resume presentation	10%
Technical questions presentation	10%
Presentation on technical tasks	10%
Weekly participation	30%
Final evaluation by your manager	20 %
Final Technical Report(190I)/ Technical report(190)	20 %

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.

CS190/190I, Internship Project, Section 1, Spring, 2022 Course Schedule

Online Zoom link: *https://sjsu.zoom.us/j/81229500922 (Need to login to your SJSU account to gain access to Zoom. All students must turn on the video to participate)*
Sign up your presentation schedule by Feb. 3, 2022*: https://signup.com/go/VOWYocs*
The schedule is subject to change at the discretion of the instructor.

Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
1	1/29/2022	Introduction (what to do and expect in this course) Cover letter: facts; tips; format; What are hiring managers looking for?
1		
2	2/5/2022	Resume: Key resume content; layout and design; Review and revise
2		*Presentation of resumes from selected students*
3	2/12/2022	Job search techniques: What employers are looking for; local job market; how people get jobs; networking; how to build a trusted networking
3		*Presentation of resumes from selected students*
4	2/19/2022	Develop your brand: brand statement and its purposes; your story
4		*Presentation of resumes from selected students*
5	2/26/2022	Portfolio: why need one; portfolio essential; what to include; tips; how to; examples; blogging
5		*Presentation of resumes from selected students*
6	3/5/2022	Networking: What your Linkedin profile should have; getting the most out of Linkedin; Networking online; in-person networking
6		*Technical questions presentation from selected students*

7	3/12/2022	Preparing for the interview: behavior questions (sample questions; how to respond)
7		*Technical questions presentation from selected students*
8	3/19/2022	Preparing for the interview: best practices
8		*Technical questions presentation from selected students*
9	3/26/2022	On-site interview: S.T.A.R. technique
9		*Technical questions presentation from selected students*
10	4/2/2022	Spring break (no class)
10		
11	4/9/2022	Interview: what follow up questions to ask; thank you notes
11		*Presentation on technical tasks from selected students*
12	4/16/2022	Post-interview: salary negotiation(why negotiate; consider the whole package)
12		*Presentation on technical tasks from selected students*
13	4/23/2022	Presentation on technical tasks from selected students
13		
14	4/30/2022	Presentation on technical tasks from selected students
14		
15	5/7/2022	Presentation on technical tasks from selected students
15		
16	5/14/2022	Presentation on technical tasks from selected students
Final Exam	1:30 PM Saturday, May 21, 2022	Submission of your final report and manager evaluation (direct from your managers)