San José State University
Computer Science Department
CS190/190I, Internship Project, Section 1, Fall, 2019

Course and Contact Information

Instructor:	H. Chris Tseng
Office Location:	MH213
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Email:	chris.tseng@sjsu.edu
Office Hours:	Thur.: 8:45-9:30 PM (Health 106), Fri 2:45 – 3:00 PM and by appointment or email
Class Days/Time:	Fri 1:30 – 2:45 PM (190)/ 1:30 – 4:30 PM(190I)
Classroom:	MH 222
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 collaborated and interactive manner. We will meet both in-person and online. In addition to career and job preparation guidelines from the instructor, students will share their related info for peer learning purpose.

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on 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 supervisor 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:

(a)An ability to apply knowledge of computing and mathematics appropriate to the program's student outcomes and to the discipline

(b)An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution

(c)An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs

(d)An ability to function effectively on teams to accomplish a common goal

(e)An understanding of professional, ethical, legal, security and social issues and responsibilities

(f)An ability to communicate effectively with a range of audiences

(i)An ability to use current techniques, skills, and tools necessary for computing practice.

(The above learning outcomes are provided by ABET (http://www.abet.org/) for CS program under the URL http://www.abet.org/accreditation/accreditation-criteria/criteria-for-accrediting-computing-programs-2019-2019/#GC3 Related learning outcomes for CS190/190I are listed above.)

Required Texts/Readings

Textbook

No textbook needed. Class material will be posted on 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 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 and cover letter:
You will create or improve your resume and cover letter. Selected students will present their profiles in class for improvement feedback.

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

c. Take home coding challenges:

You will share your prior take-home coding challenges from your prior interview. Selected students will present their take-home technical challenges for improvement feedback.

d. Presentation:
Each student will present two of the following topics:
(*190I students will present all of the following* topics)
Cover letter, Resume, Linkedin profile, Interview behavior questions, Interview technical questions, or Take home coding challenge.

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

f. Final Technical Report:
Students will follow a final report template to describe their work and job, ethics issues at work, as well as self-evaluation.

g. Tentative course exam and HW due dates:
(Please note that this is "subject to change with fair notice")
HW: There will be around 6 assignments on items (a)-(c) above.
Final report due: (Per SJSU final schedule) 12:15 PM, Friday, Dec. 13, 2019

Final Examination or Evaluation

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

Grading Information (Required)

Grades:

In class presentation	30%
Weekly participation	20%
Final evaluation by your manager	20 %
Final Technical Report	30 %

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 Office of Graduate and Undergraduate Programs' Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/. Make sure to review these policies and resources.

CS190/190I, Internship Project, Section 1, Fall, 2019 Course Schedule

The schedule is subject to change with fair notice emailed to students.

Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines (class starts at 1:30 PM except noted otherwise)
1	8/23/2019 (online)	Introduction (what to do and expect in this course) Cover letter: facts; tips; format; What are hiring managers looking for?
1		
2	8/30/2019 (online)	Job search techniques: What employers are looking for; local job market; how people get jobs; networking; how to build a trusted networking
2		Presentation of cover letters from selected students
3	9/6/2019 (@2:30pm)	Resume: Key resume content; layout and design; Review and revise
3		Presentation of cover letters from selected students
4	9/13/2019	Develop your brand: brand statement and its purposes; your story
4		Presentation of resumes from selected students
5	9/20/2019 (online)	Portfolio: why need one; portfolio essential; what to include; tips; how to; examples; blogging
5		Presentation of resumes from selected students
6	9/27/2019 (online)	Networking: What your Linkedin profile should have; getting the most out of Linkedin; Networking online; in-person networking
6		Presentation of Linkedin profiles from selected students

7	10/4/2019 (@2:30pm)	Preparing for interview: behavior questions (sample questions; how to respond)
7		Presentation of Linkedin profiles from selected students
8	10/11/2019	Preparing for interview: best practices
8		Presentation of behavior questions from selected students
9	10/18/2019 (online)	On-site interview: S.T.A.R. technique
9		Presentation of behavior questions from selected students
10	10/25/2019 (online)	Interview: what follow up questions to ask; thank you notes
10		Presentation of technical questions from selected students
11	11/1/2019 (@2:30pm)	Post interview: salary negotiation(why negotiate; consider the whole package)
11		Presentation of technical questions from selected students
12	11/8/2019	Presentation of technical questions from selected students
12		Presentation of technical questions from selected students
13	11/15/2019 (online)	Presentation of technical questions from selected students
13		Presentation of technical questions from selected students
14	11/22/2019 (online)	Presentation of take home coding challenge problems from selected students
14		Presentation of take home coding challenge problems from selected students
15	11/29/2019 (online)	Thanksgiving Holiday
15		(No class)
16	12/6/2019 (@2:30pm)	Presentation of take home coding challenge problems from selected students
Final Exam	12:15 PM Friday, December 13, 2019	Submission of your final report and manager evaluation (direct from your managers)