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⤷ **2** contributors

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CS-HU390: Technical Interviews, Jobs and Careers

Fall 2021

Boise State University

Contact Information

Instructors: Nilab M. Mousa
Office: Remote
Office hours: By Appointment
Website: http://github.com/BoiseState/CS-HU390
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Class Time and Location

Session Dates	Time	Room
Aug 23, 2021- Oct 10, 2021	Tue Thu 4:30PM - 5:45PM	Remote

Catalog Description

CS-HU 390 TECHNICAL INTERVIEWS, JOBS, AND CAREERS (1-0-1)(F). Prepare students for computer science technical interviews. Demonstrate how knowledge gained in classes can be used to solve new problems. Encourage teamwork and peer feedback. Learn how to negotiate jobs and manage career growth. A Hatchery Unit (HU) course is a short course to develop specific professional skills for computer science. (Pass/Fail) PREREQ: CS 230 and CS 253 and CS 321.

Goals

By taking this course, the student will be able to:

- understand the technical interview process in industry,
- provide constructive peer feedback,
- negotiate job offers and understand the importance of managing career growth,
- and demonstrate how knowledge gained in classes can be used to solve new problems

Text

Cracking the Coding Interview: 189 Programming Questions and Solutions, 6th Edition by Gayle Laakmann McDowell.

Course Topic Outline

Week 1: Technical writing (Resumes, Cover letters, Email)
Week 2: Technical and Behavioral Interviews
Week 3: Review of Data Structures
Week 4: Review of Algorithms
Week 5: Mock Interviews
Week 6: Mock Interviews
Week 7: Careers Discussion

Schedule (Tentative)

Week #	Date	Topic
1	08/24, 08/26	Resume workshop

Week #	Date	Topic
2	08/31, 09/02	Technical Interviews, Behavioral Questions & Soft Skills
3	09/07, 09/09	Data Structures, Algorithms, and Big-O
4	09/14, 09/16	More Algorithms, Recursion and Memoization
5	09/21, 09/23	Mock Interviews
6	10/28, 09/30	Mock Interviews
7	10/05, 10/07	Careers: Finding a Good Fit and Negotiating [Industry Panel]

Grading Policy

This class is graded as a pass/fail course in which you'll received a final grade of P or F. Note that a grade of F will impact your GPA. Passing grade is satisfactory work, equivalent to 70% or higher. Your grade will be computed based on the following:

- Attendance and Participation - 50%
- HackerRank/LeetCode Homework - 20%
- Interviews - 20%
- Resume - 10%

Academic Honesty

The University's goal is to foster an intellectual atmosphere that produces educated, literate people. Because cheating and plagiarism are at odds with that goal, those actions shall not be tolerated in any form. If a student engages in academic dishonesty, the student may be dismissed from the class and may receive a failing grade. Other penalties may include suspension or expulsion from the University. For more information, please visit the University's web page regarding academic integrity:
https://www.boisestate.edu/registrar/general-information-and-policies/academic-integrity/

University Attendance Policy

Students are expected to attend classes regularly. Missing one of two first classes may result in your automatic withdrawal from the class. See the policy at: https://www.boisestate.edu/policy/academic-affairs-faculty-administration/policy-title-faculty-initiated-withdrawal/

Educational Access Center

Students with temporary or permanent disabilities needing accommodations to fully participate in this class should contact the Educational Access Center (EAC). All accommodations must be approved through the EAC prior to being implemented. To learn more about the accommodation process, visit the EAC's website http://www.boisestate.edu/eac/

Building Safety

Knowing how to behave in an emergency situation is important for students. Please review CCP Building Safety Document at http://coen.boisestate.edu/cs/safetydocument/