



Computer Science and Engineering

Independent Study Contract

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Course:	CIS 4900 - 028 / 11153 / Spring / 2023 / 3 / Yicheng Tu			
	Section	Ref No.	Semester / Yr	Credits Instructor

Proposed statement of work:

I want to build a full-stack console application in Python. This application would be similar to LinkedIn, where users would be able to sign up and sign in using their credentials, see other users, search other users, send friend requests to those users to stay connected and send text messages. They would also be able to post job postings for which other users can apply or/and save. When they apply for those postings, the poster users would be able to get the listing of all applications, review them, get applicant user information and either approve or reject applications. Apart from that, users would be able to post anything they want for any topic, similar to tweets, and other users can view these posts, post comments and either like or dislike them. An additional feature is the addition of notifications for new job postings and new friend requests - whenever a user sends a friend request or posts a new job posting in the area of interest of another user, that user will receive an automated email with details.

The application would be built in Python, and for database I would use Firebase using the Pyrebase package. Some of the other libraries I would use are pytest and others depending on whether the need arises.

Approved:	DocuSigned by: <i>Yicheng Tu</i> 852AB4F579934B2...	Department Approved:
Supervising Professor		Director of Undergraduate Program

This form is to be executed by Computer Engineering, Computer Science, Cybersecurity, and Information Technology students in the Department of Computer Science and Engineering for an Independent Study and who wish to earn credit as CIS 4900. It is expected the supervising professor and student will agree upon the course content and appropriate credit hours in advance of executing this contract. This form authorizes enrollment of the student. Prerequisites are COP 4530 and CDA 3201.

This completed and approved form must be signed by the Supervising Professor and Director of the Undergraduate Program. A student is allowed to count as Departmental elective credit a maximum of six (6) hours of CIS 4900 and/or any other supervised individual study (including CIS 4915 and CIS 4940) for S/U grade.

Distribution:	
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