Capstone Project Presentations

Fall 2018

Day 2: December 12, 2018 (Wednesday)

MH 206

These are the students who will make their presentations

Student(s)	Advisor	Project Title	Description	Course	Presentation Time
Daniel McLaughlin	Sotirios Kentros	Digital Watermarking	In an increasingly digital world, the concept of ownership of digital content has been increasingly problematic due to the lack of certainty surrounding methods to prove ownership. One method that has become more effective with these advances is Digital Watermarking. The goal of this project is to implement a Digital Watermarking scheme that can prove ownership of images. The scheme will embed a watermark in an image that will be imperceptible and will also be robust against malicious attempts to remove the watermark.	CSC 520	09:10AM - 09:25AM
Ariel Torres	Joseph Kasprzyk	Juke Byte	The goal we want to achieve in our project is to provide users with the ability to interact with one another (friends and family) at gatherings (parties, get-togethers, etc.). We will design an application that will allow users to connect with one another via a "virtual party", where music can be selected from our library. Each person will have the ability to choose the song of their liking, and once the selections have been made each user will be allowed to like their own selection or another which seems more appealing to them.	CSC 520	09:30AM - 09:45AM
Hayden Cushing	Sotirios Kentros	Blog the Viking	A social media app designed to centralize all of Salem state's social media into one app. Trying to push away from other apps like Facebook and clearing your phone of other apps. This app allows students to create their own profiles, Post pictures, check Salem state event calendar, make their own blog and still be able to check Salem state's twitter posts in one app.	CSC 521	09:50AM - 10:10AM

Student(s)	Advisor	Project Title	Description	Course	Presentation Time
Patrick Daley	Sotirios Kentros	uTutor	My project is a mobile application for connecting students to tutors. This application is designed so that students have more off campus options of getting help with class. Student and tutors can customize their profile, to display their current status in school and what type of learner they are. This is used to help match students to the proper tutor. Students use a filtering system to then locate different tutors.	CSC 521	10:15AM - 10:35AM
Geena Melcher	Joseph Kasprzyk	CleverStudent	I have created a web application using HTML/CSS, PHP, and Jquery called CleverStudent. This web application is for student to help them keep organize throughout the school year. Students will be able to create an account where they upload files, notes, assignments, projects, and more. Students will also have the ability to note important due dates on a calendar and even keep a list of assignments they need to do.	CSC 521	10:40AM - 11:00AM
Nane Pothier	Joseph Kasprzyk	MyCookBook	Presentation of the MyCookBook app that functions as a personal cookbook on your mobile device. The app allows you to store your favorite recipes, to categorize those recipes and to list them according to an entered attribute such as a specific ingredient. The MyCookBook app also lets you share your recipes with others and convert recipes from the US measurement system to the metric system and vice versa.	CSC 521	11:05AM - 11:25AM
Gan Song	Beifang Yi	CSBS: Chord, Sword and a Broken Shield	CSBS: Chord, Sword and a Broken Shield(CSBS) is a 3D action game powered by Unity 3D. In CSBS, the player will have an experience of a role starting as a vagrant and in the end becoming an emperor of the world, by taking part in the wars between 4 Feudal Kingdoms. The player can also choose the roles of a lord, businessman, Knight and any others. The game simulates the Middle Age wars and the scenarios backgrounds are based on the history. The design of fighting actions consider the human body movements.	CSC 521	11:30AM - 11:50AM

Student(s)	Advisor	Project Title	Description	Course	Presentation Time
			Department Lunch Party		
Daniel Darmody	Sotirios Kentros	Bittron	A social media platform for bitcoin miners that gives live statistics of profitability, best components for mining, and can assist in starting a mining rig. To suggest parts for mining, it can also help miners on a budget, by comparing profitability to price of mining components. This website is built from the ground up through HTML, CSS, PHP and SQL. I will also be working on this project with Edward Novak.	CSC 521	1:00PM - 1:20PM
Shauna Hunt	Komalpreet Kaur	Music Recognition	The purpose of this project is to help users identify a song that they may not know the name or artist of. This application allow users to play a song and have an easy-to-use mobile and desktop application recognize the song while displaying its general information such as: artist, song name, and album art of the song. This will be achieved by creating a dataset of the top 100 songs of the year 2018 and audio sampling them using the k-nearest neighbors algorithm. This dataset will be implemented using python code that will be trained to recognize the users' song.	CSC 520	1:25PM - 1:40PM
Eric Wells	Komalpreet Kaur	Title: English Handwriting Recognition Using CNNs	A lot of the information that we possess is stored on paper, generally inside of a notebook. The purpose of this project is to extract English handwritten words from paper and correctly identify and classify them. To achieve this, I will train a convolutional neural network that accepts samples of handwriting and outputs a result. Additionaly, I will train multiple networks with different architectures to compare and constrast results.	CSC 521	1:45PM - 2:05PM