Below is a summary of your responses   Download PDF

Use this form to rank your top ten Capstone projects choices. Download the time-stamped PDF summary shown at the end of the survey to verify your responses. The survey will close at 11:59 pm, OCT 4, 2020.

Key:
NDA/IP = You will need to sign an agreement with the project partner

What is your name?

Conner Rhea

What is your ONID username? Please enter as "pfeilw", not "pfeilw@oregonstate.edu"

rheac

Have you pre-arranged a project with a professor or project partner and confirmed with instructor Bill Pfeil via email that you are working on that project this year?

○ Yes

◉ No

Identify your top ten (1-10) from the following list. (choices limited for ONLINE/Bill's students)

Enter a **1** in the box next to your **TOP CHOICE**, enter **2** for your **second choice**, and so on....

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	(NDA/IP) Adding Geo-Focusing to MPulse Mobile using Google Flutter
	Agile Release Compliance Tracker
	(NDA/IP) AI Based Webapp for Microfluidic Design Automation

	(NDA/IP) All The Farms + Shopify (Integration/Custom Theme/Data Analysis)
	Animal Tracker: Processing and Visualizing Cattle Data on Rugged Landscapes
	App to control the water level at Hinsdale Wave Research Lavoratory
	App to warn of impending red light violations
	Assessment of the herbicide efficiency on treating invasive species: the case of reed canary grass
1	Augmented Reality for Realtime Strain Visualization
	Augmented Reality Sandbox for Engineering
	(NDA/IP) Betcha - A free and legal sports betting app
	(NDA/IP) Biodiversity Monitoring with Edge Neural Networks
	(NDA/IP) Blockchain for Oregon Wines
	Build your neighborhood
	Building a Cloud Simulation Engine with React.js and PostgreSQL
	(NDA/IP) Business Finance Software
	Canvas Assignment Watermarking
	(NDA/IP) Classroom Engagement Tool
8	(NDA/IP) College of Business App
	Crowd source road conditions with pothole detection
	Custom HTML5 image editor for digital scrapbookers
	DataVis designers, test your ideas!
	Develop Software for a Virtual Video Studio
	(NDA/IP) Doing Good for Oregonians: Digitization of initiative petition requestor data (HTR)
2	Draw and Play Video game
	(NDA/IP) Drone Telemetry Data and Remote ID to Blockchain
10	eBay Android application targeting table top gamers
	Estimation of tree heights from time series images
	Generation of high density point clouds from moving stereo cameras
	Geospatial Analysis for Disaster Planning
	(NDA/IP) Handheld Augmented Reality
	Holiday App
	Immersive and Interactive Virtual Geographic Environments
	Infinity Scheduler
5	Innovate 3D scanning of large spaces to create virtual walkthroughs and distance learning

[ ]	Interactive Visualization for AI Education
[ ]	Interfaces for Video Searching and Browsing
[ ]	iOS Gesture Alphabet
[ ]	Machine Learning for Tagging Graphic Designs
[ ]	Mentory (looking for 1 additional member)
[ ]	(NDA/IP) Migrate SSRS to Power BI for reporting services on MPulse Software....
[ ]	Mixed Reality for Multi-Domain Operations
[ ]	(NDA/IP) ML Gesture Recognition using new Intel Real Sense coded light camera
[4]	MMO Expo
[ ]	(NDA/IP) Monitoring international data for the DUNE neutrino experiment
[3]	My Pet Pal
[ ]	(NDA/IP) Nanotransaction Startup
[ ]	(NDA/IP) Network Model
[ ]	NODE (National Open Data Elections) Project
[ ]	OnSchooler: Multilingual E-Learning Project
[ ]	(NDA/IP) Optimize list-view queries, stored procedures, and rendering for load time...
[ ]	Oregon State Craft Center Online Tool
[ ]	Oregon State Web Based Document Storage and Retrieval System
[ ]	ORTSOC Instrumentation and Processing Improvements
[ ]	(NDA/IP) OSU-wide Transfer Guide generator (and database) for advisors and students
[ ]	Paper-ECG digitizing
[ ]	Pathways to OSU Backbone Blockchain
[ ]	Perro - Project Management Velocity Tracker
[ ]	(NDA/IP) Pour Soul Systems: User-centric App Development
[7]	Remote Learning
[ ]	Road reflector avoidance for snow clearing equipment
[6]	Smart phone based manual and repair guide
[ ]	Sparck Moto Commerce Website
[ ]	(NDA/IP) Tachyon II Space VNX Card (Software)
[ ]	(NDA/IP) Automate the Expertise to Control a Million-Dollar Printing Press
[ ]	Tree segmentation from multispectral images
[ ]	Using Ocean-Going Robots to Observe Wave Conditions: CS
[ ]	Vehicle Occupancy Detection Utilizing Time-of-flight Cameras

	Virtual reality for prototyping factory processes
	Wasm Fiddle
	(NDA/IP) Wave Energy Converter Visualization Software
	Waveform Compression Algorithm
9	Website Cheating Bot Detector
	Where's My Stuff? A voice-interactive inventory system

Describe your reasoning behind your **top ten** choices. **Please write a compelling reason for your preference.** This reason will help us decide whether you or someone competing for the project will be assigned to the team.

Choice #1 reason	I noticed that the project was put forth by Prof. Bailey and I am in one of his classes and enjoying his style of teaching. Additionally I enjoy the prospect of simulations being used for practical purposes such as this, creating new structures, and testing things like strain, it seems like its right up my alley of interest.
Choice #2 reason	I have always wanted to work on a team fro creating a game of some kind, and this project seems like a good idea to get into that kind of work, plus the idea sounds like a lot of fun.
Choice #3 reason	In one of my earlier classes I actually got to work on a project like this already, though it didn't involve much code I have already had to ponder the logistics of a pet-based medical application, so I think I might be a good fit for this project (and I would love something like this irl, I have a cat with some health issues).
Choice #4 reason	Honestly this just sounds really cool and during the pandemic, virtual meetings through something like an MMO can make things more interesting than just a bunch of zoom calls, plus it would involve a lot of coordination between different organizations which would likely be good experience for the working world.
Choice #5 reason	Even before Covid 19 I had thought that virtual walkthroughs were great to have experiences with something even when you are trapped at home, such as the virtual Louvre tour software,which can even allow people who can't make the trip to such a place able to enjoy it, so this project piqued my curiosity.
Choice #6 reason	I am a big fan of right to repair, and making more tools like this proposed application makes it easier for people to perform repairs themselves instead of always needing to shell out money for professional repair, so I would be more than happy to work on an application with goals such as this.

Choice #7 reason	This pandemic likely isn't going to just go away anytime soon. Projects such as this are important to make learning easier for students of all ages rather than just relying on the current toolsets we have. I have definitely struggled a bit more with learning since Covid 19 started, so contributing to a solution even for a small group of people would make me very happy.
Choice #8 reason	I liked the premise of this application making the lives of students easier by consolidating a lot of important tools into one location. Helping my fellow students, even in different colleges, is a great concept.
Choice #9 reason	Cheating is a hot topic, though if I'm being honest, the thing that interests me the most about this project is just the potential methods for searching and finding stuff like this. The process for scouring the web to find posted homework solutions would be fascinating to see.
Choice #10 reason	As someone who often plays tabletop games and used to collect cards when I was younger, I like the concept of this project and being able to work with a name like ebay interests me greatly as well. Making shopping tools more accessible for specific purposes is always a good thing.