CSTEM Research & Design Day - Friday, May 1, 2026

Title of poster or project	Poster or Project Team Participants	Time	Location
Software Engineering Capstone Projects			
Voice Activated Guide Robot	Beau Dougan, Montserrat Jara, Jonathan Qi, Jacob Weirather	8:00-8:25 am	VEP 5107
AI-Powered Relationship Graph	Mark Awad, Mcewen Baker, Alex Haskins, Gabriel Vian	8:30-8:55 am	VEP 5107
Xplain - LLM for X-Ray Image Analysis	Joshua Gomez, Sawyer Sieja, Jaedon Spurlock, Gabriel Ornelas	9:00-9:25 am	VEP 5107
Tracking Animation Cartoon Output	Xavier Guerrero, Victor Jacome, Minh Triet Le, Edwin Piedras	9:30-9:55 am	VEP 5107
Intelligent Trouble Ticket and Audio Interaction Analysis System	Jason Hanna, Javier Lopez, Omero Olvera, Alexis Ramos	10:30-10:55 am	VEP 5107
Drone Flight Controller	Abdul Majid, Paolo Devesa, Chase Rhubottom, Jonathan Wilson	10:00-10:25 am	VEP 5107
Irrigation Visualization: Report Generator	Alejandro Navarro, Chris Tran, Adria Vargas, Kevin Rodriguez	11:30-11:55 am	VEP 5107
Photorealistic, Interactive, Mixed Reality	Fadhil Al Salihi, Jordan Kopp, Natalie Raphael, Havanna Robbins, Nader Shbib	11:00-11:25 am	VEP 5107
Computer Information Systems Capstone Projects			
Academic Insight Dashboard	Armando Aranda, Andrew Do, WIlliam Dorry, Nathan Green, Ryan Haugen, JJ Hoffmann	8:00-8:25 am	ACD 204
Answer EngineOptimization Analysis	Andre Alvarez, Noah Cordova, Bailey Manzano, Xahn Millsape, Christian Valiente	8:30-8:55 am	ACD 204
Data Process Analytics with AI for Career	Jose Ortega, Ryosuke Shibuya, Teylor Quintero	9:00-9:25 am	ACD 204
AI Analytics Tool	Alexander Diep, Amany Fogg, Zyrus Tyson, Jesus Vazquez	9:30-9:55 am	ACD 204
Student Course Planning & Recommendation	Gabriel Antonio, Aaliya Barde, Lucas Lazaroiu, Tien Nguyen, Anna Shishkin	10:00-10:25 am	ACD 204
Prompt Sharing Website	Devin Arucan, Marlene Delgado-Rayo, Lucas Villagran, Ryan Vargas, Angelina Viveros	10:30-10:55 am	ACD 204
Data Analytics, Anomaly Detection	Tyler Christopher, Lauren Lesko, Ernest Sadovnikov, Jacob Vroman	11:00-11:25 am	ACD 204
Kryptos User Interface	Weibin Kuang, Riley Nelson, Damien Salls	11:30-11:55 am	ACD 204
Computer Science Capstones Projects I			
SMS Phising Honeypot	**Kathleen Dela Cruz, Alexandra Krejci, Kendall Morris, Ricky Naranjo, Sankalp Swamy, Taylor Tucker**	**8:00-8:25 am**	**Mark 104**
Autonomy Research: Vectors from YOLO Manipulation	Aric Quinones, Cooper Jumamil, Ulyses Gonzalez, Joshua Truong, Julia Le	8:30-8:55 am	Mark 104
Silver Shield: An AI-Based Platform for Elderly Cybersecurity Education	Ethan Lee, Jozlyn Pelayo, Lauren Pelayo, Alejandro Romero, Miguel Valasco, Nur Zein	9:00-9:25 am	Mark 104
Autonomy Research: RF-DETR at Sea	Salvador Anquino, Blake Bercerra, Lia Chavez, Christian Lim, Ryan Christopher, Tyler Usrey	9:30-9:55 am	Mark 104
Project Clarity	Brody Estes, Max Unger, Jack Perich, Anna Mairaj, Nathan Lam, Brandon Tran	10:00-10:25 am	Mark 104
SocialPost Pro: A Unifed App for Automated Marketing Posting	David Pisa, Bricio Blancas Salgado, Gonzalo Tomas, Daniel Arias, Israel Oyetoro	10:30-10:55 am	Mark 104
Distracted/Drowsy Driver Detection on Snapdragon Mobile Platform	Tarig Elamin, Salman Shekh, Chase Tanner, Thanh Dat Vu	11:00-11:25 am	Mark 104
Smart Grade Bridge	Lynn Pham, Binh Phan, Michael Alvarez, Joeseph Zaminski	11:30-11:55 am	Mark 104
Computer Science Capstones Projects II			
RoboFC	Anthony Douglas, Paige Kunze, Gavin Morris, Ethan Vazquez	8:00-8:25 am	Mark 201
Messi Jr. Robot	Cindy Doan, Preston Hizon, Colin Phung, Gabriel Saucedo, Ethan Tran	8:30-8:55 am	Mark 201
Patrol Bot	Mikel Flores Cruz, Hung Xuan Lam, Lynda Nguyen, Havier Pacheco	9:00-9:25 am	Mark 201
Intelligent Logical Robot	Clayton Frandeen, George Muniz, Tyler Rains, Bruce Thompson, Mitchell Zakharia	9:30-9:55 am	Mark 201
Futbot Autonomous Soccer Robot	Philip Avdey, Jakub Boryski, Ethan Calvert, Jeffrey Hansen, Aiden Rodriguez	10:00-10:25 am	Mark 201
Cloud-Enabled Intelligent SoccerBot	Nancy Hernandez, Owen Newberg, Cameron Robinson	10:30-10:55 am	Mark 201
Autonomous AI-Vision Soccer Playing Robot	Joel Burlingame, Colin Homan, Raymond Las Pinas, Kevin Ramirez, Sergio Rameriz	11:00-11:25 am	Mark 201
Embedded Vision and Intelligence for Robotic Soccer	Nicholas Carmona, Oscar Lopez, Ryan Milner, Julian Murphy, Victoria Nguyen	11:30-11:55 am	Mark 201
Computer Science Capstones Projects III			
AI in SDLC: Architecture & ADR Assistant	**Angel Maqueda, Alec Lovell, Parker Miller, Cameron Nguyen**	**8:00-8:25 am**	**Mark 208**
Office of Emergency Management Web Simulator	Amy Bernard, Elias Estacion, Brynn Grofcsik, Bijan Moradi	8:30-8:55 am	Mark 208
NodePipe: Modular Bioinformatics Pipeline System	Marie Bethell, Maxwell Bowman, Kenneth Lopez, Ethan Paul	9:00-9:25 am	Mark 208
Smart Grade Bridge Team 5	Anthony Hernandez, Sarah McNeal, Joshua Santiago, Anthony Tom	9:30-9:55 am	Mark 208
AI in SDLC	Michael Duggan, Luis Granja, Kian Brian Khederzadeh, Jason Stys	10:00-10:25 am	Mark 208
XR for Field Support & Virtual Training	Josh Edralin, Riley Glance, Anthony Perez, Paul Sihavong	10:30-10:55 am	Mark 208
Hands-On Virtual/Mixed Reality Science Lab Development	Noah Boyd, Sierra Brandt, Daniel Esparza, Nathan Malaluan	11:00-11:25 am	Mark 208
Fly Tracker	Bryson Reyes, Connor Tully, Meliton Rojas, Grace Le	11:30-11:55 am	Mark 208

Biology Oral Presentations			
Voltage-Gated K+ Channel KCNQ1 Regulates Ion Transport in the Malpighian Tubules of Larval *Trichoplusia ni*	Callie Steppat & Dennis Kolosov	9-11:30 am	USU 2310
Graphically Modeling Microbial Community Interactions with Cellular Automata	Brosnan Chernobieff-Brook, Dr. Elinne Becket, Dr. Kimberly Ayers, Dr. Youwen Ouyang	9-11:30 am	USU 2310
Biobanking for the Future: Building an Effective Cryopreservation Technique for Adult Avian Germline Stem Cells	Kaylin Sparks, Patricia Byrne	9-11:30 am	USU 2310
Does Coral Color Predict Climate Change Survival?	Antonio Perez, Dr. Erika Díaz Almeyda	9-11:30 am	USU 2310
Body and hindfoot posture during swimming of salt marsh harvest mice and coexisting rodents of the Suisun Marsh	Zachary Davis, Arianna M. Ramirez, Dr. Diego Sustaita	9-11:30 am	USU 2310
Does Perturbing the Microbiome of the Malpighian Tubules of Larval *Trichoplusia ni* Impact Excretory Function?	Talia Dahms, Renaldo Orozco, Organ Saraphoka, Dr. Elinne Becket, Dr. Dennis Kolosov	9-11:30 am	USU 2310
Staging the Pathogenesis of Alopecia Areata in C3H mice	Dregyn Bennett, Syrita Maria Joe, Marion Berzanksy, Dr. Julie M. Jameson	9-11:30 am	USU 2310
Quantitative Flow Cytometric Analysis of Ploidy to Resolve Life-Cycle Transitions in *Calcidiscus leptoporus*	Miguel Kinyon, Dr. Betsy Read	9-11:30 am	USU 2310
Pulse-Amplitude Modulated (PAM) Fluorometry Analysis of Bryozoan *Membranipora membranacea* Colonization on Giant Kelp *Macrocystis pyrifera*	Jhasmine Valencia, Dr. Erika Díaz Almeyda	9-11:30 am	USU 2310
The Design, Implementation, and Analysis of Automated Weighing Stations for the San Clemente Loggerhead Shrike	Elizabeth De Moya, Sarah Sheldon, Jaelean Carrero, Dr. Diego Sustaita	9-11:30 am	USU 2310
Metagenomic Analyses of Obese Drosophila Populations Experiencing Heightened Early-Age Mortality and Cardiac Dysfunction	Kailey Pickering, Maggie Vo, Jason San Nicolas, Nessa Jamalian, Dr. Elinne Becket, Dr. James Kezos	1:15-3:30 pm	USU 2310
The Physiological Responses to Chronic High-Sugar Diets in *Drosophila melanogaster.*	Riley Demnianiuk, Elmira Ahmadian, Quetzalli Johnson, Dr. Mark Phillips and Dr. James Kezos	1:15-3:30 pm	USU 2310
Hook, Line, and Cell: Isolating Haptonema from Two Haptophytes	Kayla Matthews, Maximus Kibbons, Monica Ambrocio, Dr. Betsy Read	1:15-3:30 pm	USU 2310
Genetic population structure and phylogenetic relationships of banana slugs (Ariolimax spp.) using genome-wide data.	Cassandra Jordan, Julian Bañuelos Torres, Sophia Badillo, Jann Vendetti, Jennifer Leonard, Dr. Sergio Nigenda Morales	1:15-3:30 pm	USU 2310
Regulatory Effects of Helicokinin isoforms the on excretory physiology of *Trichoplusia ni* Malpighian Tubules	Joleen Wobby, Callie Steppat, Hayla Atkins, Emilie Serna, Jocelyne Dates, Aaida Arpa, Salwa Afifi, Dr. Jean-Paul Paluzzi, Dr. Michael J O'Donnell, Dr. Dennis Kolosov	1:15-3:30 pm	USU 2310
An integrated approach to unraveling the life cycle of the marine bacteria S. Pulchra	Jordan Lucas, Dr. Betsy Read	1:15-3:30 pm	USU 2310
Milpa Mutually Impacts Plant and Human Communities	Alexis Rios, Dr. Erika Diaz Almeyda	1:15-3:30 pm	USU 2310
Genomic insights into exploitation and isolation: reconstructing demographic histories of eastern Pacific fin whales	Kaden Winspear, Meixi Lin, Paulina Nunez-Valencia, Fredrick Archer, Jorge Urban, Andres Moreno-Estrada, Maria Jose Perez-Alvarez, Elie Poulin, Dr. Sergio Migenda-Morales	1:15-3:30 pm	USU 2310
Automated Cell Counting for Immunofluorescent Images in Alopecia Areata	Syrita Maria Joe, Dregyn Bennett, Marion Berzansky, Dr. Julie Jameson	1:15-3:30 pm	USU 2310
Electrical Engineering Capstone Projects			
Offline Control of Quanser Robotic Arm: EEG Signal Acquisition and Decoding	Aleks Gonzalez, Kevin Gomez, Moises Nelson	2:30-5 pm	Mark 125
Offline Control of Quanser Robotic Arm: Robotic Arm Control via Decoded Signals	Manuel Villa Hernandez, Corry Mitchell, Shawn Phillips	2:30-5 pm	Mark 125
Wearable Flexible Medical Device for Intraoral Tongue Pressure Monitoring	Sophia Shahryar, Israel Aguilar, Eli Silver, Erick Alvarado Munoz	2:30-5 pm	Mark 125
Smart Plant Sensor	Daniel Beltran, Dillon Whitehead, Alex Vourlitis	2:30-5 pm	Mark 125
Smart Crash Detectction Puck	Christain Albezer, Cole Kennedy, and Vladimir Ivan Villanieva	2:30-5 pm	Mark 125
RF Senior Design Project	Austin Alvarez, Josiah Gray, Lazaro Roblero, Cesar Perez	2:30-5 pm	Mark 125
Adaptive Control Design of the Propulsion Drivetrain for the Quadcopter Drone Applications	Anthony Nicklo	2:30-5 pm	Mark 101
Marine Energy Device	Jackson Cross, Mireya Zamora, Aubree Keyser	2:30-5 pm	Mark 101
Real-Time Dynamic Performance of the Multi-Energy Infrastructures - AI Data Center	Octavia Johnson, Brayan Zermano, Xuong Tai Phuong	2:30-5 pm	Mark 101
Smart Edge-AI Stethoscope	Joshua Hucul, Jack McCabe, Tommy Nguyen	2:30-5pm	Mark 101
Edge-AI Dog Breed Classification Camera	Miguel Llamas, Carlos Quinones, Awate Tekeste	2:30-5pm	Mark 101
Compact Heterodyne Dispersion Interferometer System	Kayla Le, Daniel Cordero, Theophilus Garvey, Adam Majed	2:30-5pm	Mark 101
Coupling Robot Arm with Camera View	Marco Baltazar, Genesis Buber, Gabriel Garrido, Parker Sims	2:30-5pm	Mark 101

Poster/Computer Presentation Showcase			
Fruit Aging, assessing vegetable conservation through infrared light	Hayley Ryan	2:30-4 pm	USU Ballroom #1
Using DeepLabCut to quantify 3D prey-strike kinematics of San Clemente Loggerhead Shrikes	Celia Cronin, Sharon O'Connor, Diego Sustaita	2:30-4 pm	USU Ballroom #2
Smart Plant Sensor	Daniel Beltran, Dillon Whitehead, Alex Vourlitis	2:30-5:30 pm	USU Ballroom #3
Statistical Analysis of Protein Corona Profiles on Nanoparticles With and Without Small Molecules	Zella Garrido, Dr. Afra Panahi, Dr. Maryam Sayadi	4-5:30 pm	USU Ballroom #4
Gene Expression Dynamics Across Life Stages in Calcidiscuc leptroporus	Andre Livingston, Miguel Kinyon, Dr. Betsy Read	2:30-4 pm	USU Ballroom #5
Approximating the Equilibrium Behavior of the Workload Process for a Single-Server Queue	Abigail Dan	4-5:30 pm	USU Ballroom #6
Benzylic Alcohol Substrate Scope Investigation in Gold-Catalyzed Friedel–Crafts-like N-Alkylation Reactions	Arianna B. Serrano, Kasumi Faile, Robert G. Iafe	4-5:30 pm	USU Ballroom #7
Photosynthetically Active Radiation and Temperature in Cassiopeia xachana Polyp Stages	Arissa Aguiar Gabriela Salsameda Mikayla Torres	2:30-4 pm	USU Ballroom #8
Evolutionary and Physiological Responses to High-Sugar Diets in Drosophila melanogaster	Riley Demnianiuk, Alondra Landavazo, Ivanel De Jesus-Alicea, Elmira Ahmadian, Mark Phillips, and James Kezos	4-5:30 pm	USU Ballroom #10
Design and Use of an Affordable Raman Spectrometer Using 3D Printing	Andy Nguyen	2:30-4 pm	USU Ballroom #11
Alternative Assessment: Car Depreciation	Travis Bourdon, Roz Dyke, Kyla Jones, Ashley Villatoro	4-5:30 pm	USU Ballroom #12
The impact of group studying versus independent studying on exam performance in an introductory biology course.	Charlize Jenkins and Francisco Tapia	2:30-4 pm	USU Ballroom #13
Effects of Study Medium on Biology Exam Performance: Paper vs. Digital Flashcards	Angel Chavez	4-5:30 pm	USU Ballroom #14
House Inflation Project	Suzette Martinez, Barbara Torch, Dylan Downs, Brandon Lord	4-5:30 pm	USU Ballroom #15
A Comparative Analysis of Collaborative Versus Competitive Learning Strategies on Information Retention in Undergraduate Biology Education	Kennedy Vagts, Vanessa Marascola	2:30-4 pm	USU Ballroom #16
Does Time of Day Matter? A Comparative Study of Student Engagement in 8 AM vs. 1 PM CELS Active-Learning Sessions	Te Shawn Bush, Thin Yadanar, Joshua Liberato	2:30-4 pm	USU Ballroom #17
Active Learning in Upper-Division Biology: A Comparison of Think-Pair-Share and Interactive Lecturing on Physiology Concept Retention	Cassandra Jordan and Jason San Nicolas	4-5:30 pm	USU Ballroom #18
Improving Heart Function and Lifespan in Obese Fruit Fly Populations via Exercise	Maddy Liljenberg, Ethan Lam, Anthony Buchanan, Khadija Dost, and James Kezos	4-5:30 pm	USU Ballroom #20
Analytical Strategies for Chiral Separation of an Antidepressant: A Case Study of Nomifensine	Nick Delo, Ngoc Hoang, Samuel Ortiz-Ramos, Alan Martinez	4-5:30 pm	USU Ballroom #21
Paper Versus Digital: An Exploratory Analysis of Students' Text Reading Comprehension Across Media Platforms	Katya Frazier	2:30-4 pm	USU Ballroom #22
Metagenomic Analyses of Obese Drosophila Populations Experiencing Heightened Early-Age Mortality	Kailey Pickering, Maggie Vo, Jason San Nicolas, Elinne Becket and James Kezos	2:30-4 pm	USU Ballroom #23
Metabolomic investigation of specialized phytochemical variation in Eriodictyon californicum extracts produced from different parts of the same plants	Carolina N. Saucedo Cervantes, Robyn Johanna Araiza, Alli J. Adams, Lisa Cumper, Richard Lee Bugbee, Mei Wang, Pamela Maher, Clinton C. Shock, C. Benjamin Naman	4-5:30 pm	USU Ballroom #24
Homogeneous tRNA Production Using the Hammerhead Ribozyme and 2'-O-Methylation	Nathan Sutor, Perla Chrabieh, McKinley Barone	4-5:30 pm	USU Ballroom #25
Using Marbles to Explore Exponents	Ryan Huynh, Jared Kelley, Maggie Fuller, Alonzo Guerrero	4-5:30 pm	USU Ballroom #26
Pulse-Amplitude Modulated (PAM) Fluorometry Analysis of Bryozoan Membranipora membranacea Colonization on Giant Kelp Macrocystis pyrifera	Jhasmine Valencia and Dr. Diaz-Almeyda	2:30-4 pm	USU Ballroom #27
Bioprinting Hybrid Scaffolds to Study to Differences in Breast Cancer Cell Attachment and Migration	Harnoor K. Boparai, Emilio Romo	4-5:30 pm	USU Ballroom #28
Smart Crash Detectction Puck	Christain Albezer, Cole Kennedy, and Vladimir Ivan Villanieva	2:30-5:30 pm	USU Ballroom #29
Developing Mix-Valence Fe2 Complexes with Strong Magnetic Coupling	Isabel Serrano	2:30-4 pm	USU Ballroom #30
Developing Mixed-Valence Dicopper Complexes as Models for Biological Copper Sites	Camile Sevilla; Kang Du	4-5:30 pm	USU Ballroom #31

Molecular Sex Determination of Fin Whales Using ZFX/ZFY Specific Primers	Sophia Badillo, Nicholas Hernandez, Isaac Madrigal, Kaden Winspear, Sergio Nigenda-Morales	2:30-4 pm	USU Ballroom #32
The Effect of Group Work on Pre and Post Assessment Scores	Mattie Hernandez	2:30-4 pm	USU Ballroom #33
The Impact Different Commute Times Has on Student Engagement in the Classroom	Maya Pugh and Kimberly Le	4-5:30 pm	USU Ballroom #34
Survival of the Engaged: Using Game-Based Learning to Boost Participation in an Ecology Support Class	Ally Voss	2:30-4 pm	USU Ballroom #35
Re-insertion of the Ambystoma tigrinum virus 57R gene to study gene function.	Monique Cortes, Vanessa Ramirez and James K. Jancovich	4-5:30 pm	USU Ballroom #36
Quantum Hardware Engineering	Adrian Schnepp	4-5:30 pm	USU Ballroom #37
Instructional Design for Student Success in STEM	George Lane	2:30-4 pm	USU Ballroom #38
Does coral color predict climate change survival?	Antonio Perez, Dr. Erika Díaz Almeyda	2:30-4 pm	USU Ballroom #39
Understanding the Neurocardiac Pathway's Role in Cardiac Arrhythmogenesis	Nessa Jamalian, Maggie Vo, Jason San Nicolas, Destiny French, Jennifer Ramirez Resendiz, and James Kezos	4-5:30 pm	USU Ballroom #40
Intelligent Logical Robot	Clayton Frandeen, George Julian Muniz, Tyler Jakob Rains, Bruce John Thompson, Mitchell Michael Zakharia	2:30-4 pm	USU Ballroom #41
Embedded Vision and Intelligence for Robotic Soccer	Nicholas Sean Carmona, Oscar Lopez, Ryan David Milner, Julian Daniel Murphy, Victoria Taylor Nguyen	4-5:30 pm	USU Ballroom #42
Drone Flight Controller	Chase Rhubottom, Abdul Majid Abdul Majid, Paolo Devesa, Johnathan Wilson	2:30-4 pm	USU Ballroom #43
NodePipe: Modular Bioinformatics Pipeline System	Marie Bethell, Maxwell Bowman, Kenneth Lopez, Ethan Paul	2:30-4 pm	USU Ballroom #44
SMS Phishing Honeypot	Alexandra Krejci, Kathleen Dela Cruz, Kendall Morris, Ricky Naranjo, Sankalp Swamy, Taylor Tucker	2:30-4 pm	USU Ballroom #45
Smart Grade Bridge Team 5	Anthony Hernandez, Sarah McNeal, Joshua Santiago, Anthony Tom	4-5:30 pm	USU Ballroom #46
Social Post Pro	Bricio Blancas Salgado, Daniel Arias, David Pisa, Gonzalo Tomas, Israel Oyetoro	4-5:30 pm	USU Ballroom #47
OPEN		2:30-4 pm	USU Ballroom #48
Voice Activated Guide Robot	Jonathan Qi, Montserrat Jara, Beau Dougan, Jacob Weirather	2:30-4 pm	USU Ballroom #49
Intracranial Hemorrhage Detection	Paige Kunze, Priscilla Tran, Anna Mairaj, Ethan Paul, Spencer Purcell	4-5:30 pm	USU Ballroom #50
Pneumonia Detection from Chest X-Rays Using Convolutional Neural Networks	Tharun Kumar Malla Dinakaran, Sankalp Swamy, Nader Shbib, Mitchell Zakharia, Sadi Arzo, Raymond Las Pinas	2:30-4 pm	USU Ballroom #51
NBA Prediction	Abdolkarim Mohamed	4-5:30 pm	USU Ballroom #52
Silver Shield: An AI-Based Platform for Elderly Cybersecurity Education	Alejandro Romero, Ethan Lee, Jozlyn Pelayo, Lauren Pelayo, Miguel Velasco, Nur Zein	2:30-4 pm	USU Ballroom #53
Airline Flight Delay Prediction and Analysis	Elias Estacion, Rochane Hurst, Meliton Rojas, Bricio Blancas Salgado, Wendy Santiago, Michael Vu	4-5:30 pm	USU Ballroom #54
The Critical Realism Threshold in Autonomous Perception	Evan Petersen, Malcolm Zartman, Jaiden Camp, Jason Stys, Carson Cooley, Kian Khederzadeh	2:30-4 pm	USU Ballroom #55
Fish Image Hub	Jakub Borycki, Christian Lim, Tre Matthews, Jack Walker	4-5:30 pm	USU Ballroom #56
Can deep learning be used to accurately predict soccer player market value?	Fermin Corona, Kevin Rodriguez, Minh Triet Le, Alexander Vilalta, Lauren Pelayo, Anshool Yeruva	2:30-4 pm	USU Ballroom #57
Machine Learning Produce Freshness	Erika Villalobos, Sierra Brandt, Savanna Smith, Joshua Santiago, Victoria Valendo, Alejandro Romero	2:30-4 pm	USU Ballroom #58
Deep Learning Rock Classification	Anthony Tom, Riley Glance, Michael Duggan, Hyewon Gu, Kevin Davis, Mark Awad	4-5:30 pm	USU Ballroom #59
Fracture Finder	Lucas Marshall, Grace Le, Bryson Reyes, Kendall Morris, Preston Hitzon	4-5:30 pm	USU Ballroom #60
Code Flow	Jason Stys, Michael Duggen, Luis Granja, Kian Khederzadeh	2:30-4 pm	USU Ballroom #61
Autonomy Research: Vectors from YOLO Manipulation	Aric Quinones, Cooper Jumamil, Ulyses Gonzalez, Joshua Truong, Julia Le	2:30-4 pm	USU Ballroom #62
Autonomy Research: RF-DETR at Sea	Salvador Anquino, Blake Bercerra, Lia Chavez, Christian Lim, Ryan Christopher, Tyler Usrey	2:30- 4pm	USU Ballroom #63
Project Clarity	Brody Estes, Max Unger, Jack Perich, Anna Mairaj, Nathan Lam, Brandon Tran	4-5:30 pm	USU Ballroom #64
Distracted/Drowsy Driver Detection on Snapdragon Mobile Platform	Tarig Elamin, Salman Shekh, Chase Tanner, Thanh Dat Vu	4-5:30 pm	USU Ballroom #65
Sustainable Detection of Ethinyl Estradiol in Water: AgNPs Synthesized in NADES Integrated into a Flow Injection–Digital Imaging Platform	Nick Paris	4-5:30 pm	USU Ballroom #66
Non-Invasive Detection of Plant Stress Biomarkers: Using Reverse Iontophoresis for Peroxide Measurement	Natalie Nosco	2:30-4 pm	USU Ballroom #67
Investigation of the Gelation Mechanisms of Natural Hydrogels for 3D Printing of Delivery Systems	Christian Redding	2:30-4 pm	USU Ballroom #68
Integrating Metal-Organic Frameworks (MOFs) into Plant Systems for Real-Time Environmental Pollution Detection	Sarah Sower	4-5:30 pm	USU Ballroom #69