

## Candidates for University Honors Scholar

**Tori Applehans**, Fish, Wildlife and Conservation Biology major with Conservation Biology concentration

Thesis title: *Invertebrate Community Composition Variability by Wetland Type and Duckling Survival in Mallards (*Anas platyrhynchos*) and Gadwals (*Mareca strepera*) in North Park, Colorado*

Thesis adviser: David Koons, Fish, Wildlife and Conservation Biology

**Anna Baize**, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration

Thesis title: *Evaluating the Effectiveness of Webinars in Sharing Scientific Knowledge about Wolf Reintroduction in Colorado*

Thesis adviser: Rebecca Niemiec, Human Dimensions of Natural Resources

**Genevieve Barnett**, Zoology major

Thesis title: *Queer(ing) Intimacy*

Thesis adviser: Maricela DeMirjyn, Ethnic Studies

**Emily Bergmann**, Natural Sciences major with Chemistry Education concentration

Thesis title: *Beyond First Impressions: A Photographic Look at Identity*

Thesis adviser: Pamela Vaughan Knaus, Honors Program

**Christina Bland**, Human Development and Family Studies major with Prevention and Intervention Sciences concentration, Cum Laude

Thesis title: *The Role of Self-Efficacy in Beneficial Outcomes for Participants of the AgingPLUS Study*

Thesis adviser: Manfred Diehl, Human Development and Family Studies

**Sofia Boyer**, Psychology major with General Psychology concentration

Thesis title: *An Exploration of Older Gay Women and Disclosure of Sexual Orientation at Work*

Thesis adviser: Jeanette Cleveland, Psychology

**Jocelyn Bradford**, Health and Exercise Science major with Sports Medicine concentration

Thesis title: *The Effects of Fitness Classes on Mood, Perception and Nicotine Use on the Incarcerated Population of Larimer County Community Corrections-Alternative Sentencing Department*

Thesis adviser: Rick Perry, Health and Exercise Science

**Margaret Carr**, Musica major with Music Therapy concentration, Cum Laude

Thesis title: *The Blurry Lines of Blurryface: The Relationship Between Art and Commerce*

Thesis adviser: John Phippen, School of Music, Theatre and Dance

**Shawn Cheadle**, Political Science major with U.S. Government, Law and Policy concentration and History major with General History concentration and Anthropology minor

Thesis title: *Res Publica Americana: In Defense of the Republic*

Thesis adviser: Mike Mansfield, History

**Shelbi Church**, Health and Exercise Science major with Sports Medicine concentration

Thesis title: *Diet and Dementia: How Our Eating Habits Influence Our Brain Health*

Thesis adviser: Christopher Gentile, Food Science and Human Nutrition

**Cassandra Constine**, Health and Exercise Science major with Sports Medicine concentration, Magna Cum Laude

Thesis title: *Comparisons of Health Behaviors among College Students, Staff, and Faculty in the College of Health and Human Sciences at Colorado State University Before and During the COVID-19 Pandemic*

Thesis adviser: Kaigang Li, Health and Exercise Science

**Valerie Davis**, Soil and Crop Sciences major with Applied Information Technology concentration

Thesis title: *The Feasibility of the Internet of Things in Crop Production*

Thesis adviser: Raj Khosla, Soil and Crop Sciences

**Timothy Enroth**, Microbiology major, Cum Laude

Thesis title: *Optimization of Reporter Systems for use in Bacterial and Viral Diagnostic Tests*

Thesis adviser: Claudia Gentry-Weeks, Microbiology, Immunology and Pathology

**Kelly Erber**, Fermentation Science and Technology major and Business Administration minor

Thesis title: *Gluten-Free Grains in the Brewing Industry: How they differ from traditional grains*

Thesis adviser: Jeff Biegert, Food Science and Human Nutrition

**Linda Fischbacher**, Microbiology major and German and Chemistry minors

Thesis title: *An Examination of ChoD's Function in the Mycolic Acid Membrane of Mycobacterium Smegmatis*

Thesis adviser: John Belisle, Microbiology, Immunology and Pathology

**McKenzie Fletcher**, Microbiology major, Cum Laude

Thesis title: *Whole Genome Sequencing Analysis of Hyper-Transformable Mycobacterium haemophilum and Gene Knockouts of Three Mycobacterium leprae Homologues in M. haemophilum using CRISPRi*

Thesis adviser: John Belisle, Microbiology, Immunology and Pathology

**Mira Gill**, Biomedical Sciences major and Spanish minor

Thesis title: *Analyzing the Effects of Variations in Lipid-Supplemented Differentiation Media in Cultured C2C12 Myotubes*

Thesis adviser: Shane Kanatous, Biology

**Benjamin Gillett**, Computer Science major with Computer Science concentration and Mathematics minor, Cum Laude

Thesis title: *Design of an Autonomous Unmanned Aerial Vehicle with Cellular Connectivity*

Thesis adviser: Benjamin Say, Computer Science

**John Gregory**, Fish, Wildlife and Conservation Biology major with Wildlife Biology concentration, Summa Cum Laude

Thesis title: *Modeling Abiotic and Biotic Factors Influencing Flea Abundance on Deer Mice in New Mexico*

Thesis adviser: Amanda Goldberg, Biology

**Sarah Gregory**, Human Development and Family Studies major with Pre-Health Professions concentration and French minor

Thesis title: *Concurrent Motor and Language Developmental Delays in Children with Down Syndrome*

Thesis adviser: Lisa Daunhauer, Human Development and Family Studies

**Yasmeen Hack**, Mathematics major with General Mathematics concentration and Computer Science and Physics minors

Thesis title: *Initial Relative Orbit Determination via Radio Frequency (RF) Signal Localization*

Thesis adviser: Patrick Shipman, Mathematics

**James Hallstrom**, Computer Science major with Computer Science concentration and Mathematics major with General Mathematics concentration, Summa Cum Laude

Thesis title: *From Dull to Vivid: Colorizing Grayscale Images*

Thesis adviser: Chuck Anderson, Computer Science

**Bradley Harris**, Construction Management major, Cum Laude

Thesis title: *Assessing Fire Resistant Roofing for Colorado Residential Homes*

Thesis adviser: Rodolfo Valdes Vasquez, Construction Management

**Megan Hemphill**, Neuroscience major with Behavioral and Cognitive Neuroscience concentration, Cum Laude

Thesis title: *An Analysis of the Interventions Used to Treat Internalizing and Externalizing Disorders of Childhood*

Thesis adviser: Michael Thomas, Psychology

**Lauren Houdesheldt**, Environmental Health major and Biomedical Sciences minor

Thesis title: *Combating the Spread of Zoonotic Diseases*

Thesis adviser: Judy Heiderscheidt, Environmental and Radiological Health Sciences

**Maria Illenberger**, Interior Architecture and Design major and Construction Management minor

Thesis title: *Design Strategies for a Recreational Activities Center: Fostering Community, Professional Development, and the Overall Well-Being of At-Risk Youth*

Thesis adviser: Leah Scolere, Design and Merchandising

**Jacob Johnson**, Business Administration major with Accounting concentration

Thesis title: *An Analysis of the Trump Administration Changes to the Tax Code on Personal Investment*

Thesis adviser: James Stekelberg, Accounting

**Chance Johnston**, Health and Exercise Science major with Health Promotion concentration

Thesis title: *Health Interventions and Initiatives with the Tijuana Fire Department: Preventing Disease*

Thesis adviser: Tiffany Lipsey, Health and Exercise Science

**Emma Juchau**, Equine Science major

Thesis title: *Describing Stakeholder Perspectives on the OTEE HORSPLAY Intervention Manual for Youth with Autism Spectrum Disorder*

Thesis adviser: Wendy Wood, Animal Sciences

**Raegan Leone**, Fish, Wildlife and Conservation Biology major with Conservation Biology concentration and Global Environmental Sustainability minor, Magna Cum Laude

Thesis title: *The Impact of Solar Energy Farms on Wildlife*

Thesis adviser: Liba Pejchar, Fish, Wildlife & Conservation Biology

**Zoe Leroux**, Biochemistry major with General Biochemistry concentration

Thesis title:

Thesis adviser: ,

**Morgen Lundin**, Fish, Wildlife and Conservation Biology with Wildlife Biology concentration  
Thesis title: *LGBTQ+ Inclusion in Outdoor Recreation: How to Make Programs Accessible and Inclusive for the LGBTQ+ Community*

Thesis adviser: Sara Bombaci, Fish, Wildlife and Conservation Biology

**Will McDonald**, Computer Science major

Thesis title: *Sense of Self - A Music Composition Project*

Thesis adviser: Anne Marie Merline, Honors Program

**Lance McMullin**, Computer Science major with Computer Science concentration, Summa Cum Laude

Thesis title: *The Town Church Website Redesign & Analysis*

Thesis adviser: Benjamin Say, Computer Science

**Aaron Moore**, Business Administration major with Accounting concentration, Summa Cum Laude

Thesis title: *Writing Fiction: Technique & Application*

Thesis adviser: Terrie Sandelin, English

**Cameron Neumann-Barbich**, Business Administration major with Marketing concentration and Market Research and Data Analytics and Marketing Communication And Branding certificates

Thesis title: *A New Dawn*

Thesis adviser: Nancy Boykin, Marketing

**Sara Newman**, Geology major with Geology concentration and Technical and Science Communication minor, Cum Laude

Thesis title: *Clastic Dikes at the Fountain-Ingleside Contact in Northern Colorado*

Thesis adviser: John Singleton, Geosciences

**Mary O'Hara**, Sociology major with Criminology and Criminal Justice concentration

Thesis title: *Policing Disaster: A Historical Analysis*

Thesis adviser: Lynn Hempel, Sociology

**Kelly Peterson**, English major with English Education concentration, Magna Cum Laude

Thesis title: *Using graphic design to leverage civic engagement in a Middle School English classroom*

Thesis adviser: Ricki Ginsberg, English

**Isabella Pettner**, Apparel and Merchandising major with Apparel Design and Production concentration, Magna Cum Laude

Thesis title: *Zinnia Bridal Wear: A Fusion of Western and Indian Bridal Wear*

Thesis adviser: Kevin Kissell, Design and Merchandising

**Carly Rayburg**, Psychology major

Thesis title: *Importance of Transformational Leadership for Workplace Safety Climate and Sleep Quality*

Thesis adviser: Alyssa Gibbons, Psychology

**Emily Rodefeld**, Business Administration major with Marketing concentration and Customer Experience Management, Marketing Communication And Branding and Strategic Marketing certificates, Magna Cum Laude

Thesis title: *Analysis of Sponsorship and Cause-Related Marketing Applied to the Sponsorship of the NCAA Men's Basketball Tournament*

Thesis adviser: D Todd Donavan, Marketing

**Paxton Russell**, Equine Science major and Business Administration minor

Thesis title: *Exploring the Physiological Effect of Eastern Tent Caterpillars on Mare Reproductive Loss Syndrome*

Thesis adviser: Tanja Hess, Animal Sciences

**Brenna Ryan**, Anthropology major and Mathematics minor, Cum Laude

Thesis title: *Analyzing the Cultural Meanings of Physical Exercise and the Body During COVID-19*

Thesis adviser: Lynn Kwiatkowski, Anthropology and Geography

**Emma Sears**, Health and Exercise Science major

Thesis title: *So, You Want to Survive a Pandemic*

Thesis adviser: Wendy DeYoung, Health and Exercise Science

**Quinn Shiraiishi**, Natural Resources Management major and Sustainable Water minor, Summa Cum Laude

Thesis title: *Evaluating the Effectiveness of Undergraduate Research in the Field of Natural Resources*

Thesis adviser: Jeremy Sueltenfuss, Forest & Rangeland Stewardship

**Sydney Smith**, Psychology major with Clinical/Counseling Psychology concentration and Military Science minor

Thesis title: *Resilience in the US Army*

Thesis adviser: Karla Gingerich, Psychology

**Natalia Sperry**, English major with Literature concentration, Summa Cum Laude

Thesis title: *Into the Life of Things": A Multi-genre Exploration of Experimental and Hybrid Forms*

Thesis adviser: Harrison Fletcher, English

**Nicole Standiford**, Computer Science major

Thesis title: *The Dawn, a written and published Young Adult Fantasy novel*

Thesis adviser: Ben Greenlee, English

**Cassidy Storey**, Ecosystem Science and Sustainability major, Magna Cum Laude

Thesis title: *Human-Wildlife Interactions in Fort Collins: An Evaluation of How Residents and Wildlife Use Small Natural Areas in the City*

Thesis adviser: Melissa McHale, Ecosystem Science and Sustainability

**Jacob Switek**, Geology major with Geophysics concentration and Mathematics minor, Cum Laude

Thesis title: *The Development of a Python Lineament Growth Function Using High-Resolution Optical Imagery*

Thesis adviser: Daniel McGrath, Geosciences

**Caroline Thomas**, Statistics major with General Statistics concentration and Biological Science major with Biological Science concentration, Magna Cum Laude

Thesis title: *A Novel Method for Offensive Data Collection and Performance Analysis for Colorado State University Softball*

Thesis adviser: Bailey Fosdick, Statistics

**Sara VanHatten**, Ecosystem Science and Sustainability major and Global Environmental Sustainability minor, Cum Laude

Thesis title: *Textile Recycling for Colorado's Arc Thrift Stores*

Thesis adviser: Sonali Diddi, Design and Merchandising

**Lauren Wilkerson**, Sociology major with Criminology and Criminal Justice concentration, Cum Laude

Thesis title: *A Philosophical Comparison: The Underlying Principles of Rehabilitative and Punitive Justice Systems*

Thesis adviser: N Unnithan, Sociology

**Evan Williams**, Fish, Wildlife and Conservation Biology with Wildlife Biology concentration and Zoology minor

Thesis title: *Rice and Ducks: A Meta-Analysis of the Relationship Between Waterfowl and Rice Agriculture*

Thesis adviser: David Koons, Fish, Wildlife and Conservation Biology

**Erin Worth**, Biological Science major with Biological Science concentration and Languages, Literatures, and Cultures major with Spanish concentration

Thesis title: *Oral Contraceptive Pills and the Risk of Inflammatory Bowel Disease*

Thesis adviser: Kimberly Cox-York, Research Integrity and Compliance Review Office

**Sarah Zentz**, Psychology major with Clinical/Counseling Psychology concentration and Spanish minor

Thesis title: *Comprehensive Curriculum Assessment and Update for Campus Connections*

Thesis adviser: Jen Krafchick, Human Development and Family Studies