



The 10th Annual Community College
Honors Research Symposium
at Stanford University May 6, 2017

Conference Committee

Karen Alonzo	Stanford University
Bernie Day	Foothill College
Sarah Harmon	Cañada College
Tatiana Irwin	College of San Mateo
Sami Kudsi	City College of San Francisco
David Laderman	College of San Mateo
Joyce Lee	Skyline College
Eva Mo	Modesto Junior College
Jennifer Saito	Los Medanos College
Colin Schatz	Las Positas College
Steve Schessler	Cabrillo College
Letitia Scott-Curtis	Cabrillo College
John Ulloa	Skyline College
Tommy Yam	Stanford University

Acknowledgements

The Bay Honors Consortium thanks Stanford University for supporting this opportunity for community college honors students for ten years. We also acknowledge the following people for their important contribution to this year's event.

Richard H. Shaw	Stanford Dean of Admission and Financial Aid
John Ulloa	Keynote Speaker
Dee Dee Pickard	College of San Mateo Honors Graduate, Student Speaker
Maureen Willhoite	Program Layout, Los Medanos College
Ricoh Printing	Program Printing, Las Positas College

Symposium Hall of Fame

The following people have given countless hours to the Symposium over its ten year history. Their legacy inspires us to bring this opportunity to future community college students

Mary Lou Heslet, Katharine Harer, Shawn Abbott, Michael Pichay, Ann Malmuth-Onn, Connie Tolleson, Fred Watson, Patty Dilko, Lisa Palmer, Marsha Jaeger, Sue Sanders, Keith Schoon, Christina Tinsley, Douglas Parada, Mary Lim, Bryan Martinez, Matthew Kennedy, Lillian Marrujo-Duck, Tim Maxwell, Jonathan Homrighausen and Michael Maehara Smith



Symposium Guests,

Welcome to the 10th Community College Honors Research Symposium at Stanford University!

The presentations in which you have invested countless hours reflect the scholarly work that Stanford celebrates. Your commitment to knowledge, passion for learning, and intense curiosity are the qualities that fuel the creation of innovative ideas and groundbreaking research. Today is a forum to celebrate the cultivation and exchange of ideas; an opportunity to appreciate the vast array of perspectives and experiences; a moment to reflect on the responsibility of intellectuals in a free society.

Stanford University was founded *to promote the public welfare by exercising an influence on behalf of humanity and civilization*. Pursuit of knowledge for its own sake is a beautiful, noble, and meaningful enterprise. Ultimately, however the research you will conduct at universities has an ethical purpose: To make the world a better place. Pressing issues plague our world – who will solve them? Who will conduct the scientific research that solves cancer? Who will perform the public policy research that offers a solution for the state of public education, the environment, or Social Security? You are the leaders who have the potential to work on these issues.

This research symposium is also a time to celebrate the unique perspectives of community college students. Your diverse backgrounds and life experiences add much-needed richness to classroom conversations and the overall intellectual quality of university communities. I commend you on your scholarship and wish you the very best in your academic, personal, and professional endeavors.

With warm regards,

A handwritten signature in black ink, appearing to read "Richard H. Shaw".

Richard H. Shaw
Dean of Admission and Financial Aid



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The 10th Annual Community College
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Schedule of Events

Opening Ceremony - Cubberley Auditorium 10:00-10:30 a.m.

Steve Schessler, Emcee, Cabrillo College

John Ulloa, Keynote Speaker, Skyline College

Session I Presentations - History Corner 10:45-12:00 p.m.

Lunch - History Corner 12:00-1:00 p.m.

Session II Presentations - History Corner 1:00-2:15 p.m.

Session III Presentations - History Corner 2:30-3:45 p.m.

Closing Ceremony - Cubberley Auditorium 4:00-5:00 p.m.

Performance by Stanford's Swingtime

Dee Dee Pickard, Student Speaker

College of San Mateo Honors Alumna & Current Stanford Student

The Klaschus Honors Faculty of the Year Award

The Katharine Award

The Heslet Scholar Award

Admissions Workshop- Cubberley Auditorium 5:15-6:00 p.m.

Philip Lotze, Stanford Admission Officer

Campus Tours



The 10th Annual Community College
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Session I Presentations 10:45-12:00 p.m.

All presenters and attendees are expected to arrive no later than 10:45 a.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.

Room 13

Danya Adib-Azpeitia

Footbill College
Mentor: Scott Lankford

Angels & Demons, Dungeons & Dragons

Distorted Morality in The Water Knife's Dystopian World

Analyzing the moral alignment theory in Dungeons & Dragons as a literary critical tool for climate-fiction (Cli-Fi).

Gabrielle Baum

Cañada College
Mentor: Sarah Harmon

Grice's Maxims in Town of Salem

Rules Made to be Broken

An exploration of the use and misuse of Grice's Maxims in the online game Town of Salem.

Shuai Xue

College of San Mateo
Mentor: Jessica Masters

Creative AI in Action: How the Random Procedural Generation Takes Game Development to New Worlds

An examination of functions and mechanisms of random procedural generation in video games through building a game demo to discuss its effectiveness and potential impact on creating future games.

Room 30

Kristin Dermenjian

Glendale Community College
Mentors: Michael Harnett
& Mark Maier

Go Robo or No: The Importance of Human Interaction in Financial Planning

A detailed analysis of financial advising from the point of view of algorithm-driven websites and human financial advisors.

Doreen Hii
Alan Yuen

Irvine Valley College
Mentor: Lan Pham

A More Effective Way of Conveying Ratings

Presenting a clearer display of product ratings through a visual figure format.

Joaquin Jimenez

Reedley College
Mentor: John Heathcote

Dubstep or Didgeridoo: The Implications of Streaming Applications on Musical Enjoyment

Investigating the influence of exposure to music streaming applications on an individual's musical affinity.

Blake Dixon

Cabrillo College
Mentor: Steve Schessler

The Future of Education: Synchronous and Asynchronous Blended Learning Practices

A thorough analysis of synchronous and asynchronous blended learning practices relative to their applications for our current and future education systems.

Room 202

Talha Siddiqui

El Camino College
Mentor: Karl Striepe

Globalization: Promoter or Inhibiter of Inequality?

An examination of the increasingly complex and paradoxical relationship between globalization and inequality.

Zachary Newman

Sacramento City College
Mentor: Paul Frank

Doctors Without Borders Heals the State not Just the Population

Investigating the significance and possible correlation between Doctors Without Borders on a state's economy and health.

Alexandra Vignau

MiraCosta College
Mentor: Christopher Sleeper

The New Military Industrial Complex

The Strategic Role of Private Military Companies in an Age of (In)Security

How private military contractors in a post-draft United States fill gaps in military capacity cost-effectively upholding America's super-power status in the world.

Room 203

Elona Dahi

Mount San Antonio College
Mentor: Edgar Muñiz

Declaration of Dependence: Desdemona's Downfall

An analysis of female independence in William Shakespeare's *Othello*.

Alexander He

Los Angeles City College
Mentor: Danielle Muller

Tribulations of the Death Drive and Religion in Emily Dickinson's Poetry

An examination of disillusionment with Christianity and a foreshadowing of Modernism through the persona in Emily Dickinson's poems.

Anthony So

Mount San Antonio College
Mentor: Edgar Muñiz

A Failed Metamorphosis: The Creature's failed attempt at becoming Nietzsche's Ubermensch Ideal

A comparative analysis using Mary Shelley's *Frankenstein* to identify humanity's only true attempt at becoming Nietzsche's Ubermensch ideal, which ultimately fails.

Muhammad Tahir Shahbaz

American River College
Mentor: Kathleen O'Brien

Psychoanalyzing the Psychopath: Examining the Biopsychological Causes of Humbert Humbert's Actions in Vladimir Nabakov's *Lolita*

The fluctuations of Humbert Humbert's underlying psychological sickness and analyzing how it leads to freedom for *Lolita*, while he gains a degree of redemption.

Room 205

Sonia Bustos Barocio
Brienne Visaya

Los Medanos College
Mentor: Dave Nakaji

The Invasion of the Oxygen Snatchers Part II
The Effects of Wavelength Variation on Plant Growth

An investigation into the effects of varying wavelength exposure on *Egeria Densa*- an aquatic invasive species which depletes oxygen within California's freshwater ecology.

Nicole Ronnie Miller

Footbill College
Mentor: Scott Lankford

Turning over a NuLeaf: Creating Resource
Independence from Wetlands and Microbes

NuLeaf Technologies is a student-run startup with the goal to harness nature's nutrient recycling and energy transfer processes to purify water and create a sustainable source of electricity.

Janah May Oclaman

Skyline College
Mentor: Christine Case

A Natural Food Preservative from
Black Walnut

Black walnut extract inhibits bacterial growth, which may be useful as a natural preservative for foods.

Aldin Verkler

Footbill College
Mentor: Scott Lankford

Melting Harbingers: Avoiding Climate Disaster by
Understanding Glacial Feedbacks

An analysis of accelerating melt on the Greenland ice sheet and predictive model failure due to poorly understood melt feedbacks.

Room 219

Alexis d'Alencon

College of San Mateo
Mentors: Michelle Mullane
& Christopher Walker

Jail Diversion Programs: Improving Outcomes for
Individuals with Serious Mental Illness

An investigation of how federal and state legislation is linked to the prevalence of individuals with serious mental illnesses among jail and prison inmates in the United States, with a specific focus upon jail diversion programs and their efficacy.

Angela Kim

College of San Mateo
Mentor: John Lucchesi

Prison Architecture: A Reflection of America's
Warped Justice

An analysis of the inextricable connection between the prison experience and prison architecture.

Jesus Garcia

Sacramento City College
Mentor: Paul Frank

A Prison or a Playground?

A comparative analysis of the prison system of Norway and the United States of America.

Room 303

Andrew Boyd

Cabrillo College

Mentors: Brian Legakis

& Michael Mangin

The Cattle of Ajax: An Examination of the Psychological Effects of Warfare in the Ancient World

Analyzing the ancient world's views on the psychological effects of war upon soldiers.

Michael Rosenkrantz

Saddleback College

Mentor: Jennifer Hedgecock

The Echoes of War: Understanding Post-Traumatic Stress Disorder through War Literature

A presentation of research into the increasing veteran-civilian divide and effects of post-traumatic stress disorder through the rise of War Literature.

Talish Babaian

Glendale Community College

Mentor: Michael Harnett

The Mind-Body Connection: Controlling Reactions to Negative Emotions

The mind-body connection and the impact of mindfulness on health through controlling negative reactions.

Tiffany Duarte

Glendale Community College

Mentor: Michael Harnett

Positive Effects of Exercise on Mental and Neurodegenerative Diseases

Past studies indicate improvements in mental-health and neurodegenerative diseases after some exercise.

Room 305

Leila Schaumkel

College of San Mateo
Mentors: Timothy Maxwell
& Madeleine Murphy

**The Pursuit of an Education: The Female
Tongans' Struggle**

Uncovering the cultural issues confronted by Tongan females attempting to excel in education and exploring the solutions available to allow them to reach their potential.

Quynh Tran

American River College
Mentors: Edward Hashima
& Joshua Weiner

**Silencing, Again: The Homogenization
of the East Asian American & Southeast Asian
American Experience**

A criticism of the academic and statistical generalization of “Asian,” through a comparative examination of the distinct historical experiences and educational success of Southeast Asian-Americans (SEAA) and East Asian-Americans (EAA).

Vanessa Reynolds

MiraCosta College
Mentors: Jodi Mulball
& JP Schumacher

**Increasing Access to STEM for
LGBTQIA+ Students**

How mentoring programs can address underrepresentation of LGBTQIA+ students in STEM.

Tien Do

Mission College
Mentor: Jeff Cormier

**The Challenge of International Students
Culture Shock**

Research on the growing population of international students in the United States and their struggles to acculturate.



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Session II Presentations

1-2:15 p.m.

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Room 13

William Scott-Curtis

Cabrillo College
Mentor: Michael Mangin

A Lacrimis Romae ad Pacem Romana: From the Tears of Rome to the Roman Peace

How the rise of the Roman Empire highlights vulnerabilities of republicanism in nation-states of the modern era.

Alexis Dye

Modesto Junior College
Mentor: Bill Anelli

Ask Not What You Can Do for Your Country

The Competing Ideals of Civic Virtue

A philosophical analysis of the changing ideals of citizenship and civic virtues in the United States based on Alt-Right and left politics.

William Robertson

Footbill College
Mentor: Scott Lankford

Machiavelli's Modest Proposal

Revisiting *The Prince*

The Prince demonstrates a deep devotion to republicanism and a penchant for biting contemporary satire.

Room 30

Andrea Gomez

Crafton Hills College
Mentor: Judy Cannon

Viva Los Doyers: The Reclamation of America's Pastime by America's Minorities

An examination of the relationship between the Los Angeles Dodgers baseball team and the Hispanic community of Los Angeles and Southern California.

Nilton Serva

Los Medanos College
Mentors: Eutiquio Chapa
& George Serva

Latinxs in Entrepreneurship: Understanding why Latinx startups have less diverse financing options

A study of Bay Area Latinx startups and their sources of capital.

Kiara Taylor

Los Medanos College
Mentor: Jennifer Saito

This Land is MY Land: Using Ethnic Grocery Stores to Study Changing Suburban Diversity

An examination of how suburban culture is changing through the addition of diverse grocery stores.

Yuliya Ivanova

MiraCosta College
Mentor: Christopher Sleeper

'Do You Believe in Miracles?': How the USA Hockey Victory Over Russia Transformed the Economics of Professional Hockey

The dramatic forces of globalization on the National Hockey League following the iconic American victory at the Lake Placid Olympics in 1980.

Room 202

Sakura Shimizu

El Camino College
Mentor: Kurt Hull

Meeting Workplace Demands: Why Corporate Culture is More Important than Ever for Millennials

An analysis of the effects and importance of having good corporate culture for a business to succeed in the millennial generation.

Ebrahim Fegghi
Sean MacPherson

Footbill College
Mentor: Kathryn Mauer

Building Resiliency in Upper-Class Communities

An exploration into how high depression and suicide rates affecting adolescents in upper-class communities can be combatted by increasing resiliency and mental toughness.

Monica Sepulveda

Sacramento City College
Mentors: Paul Frank
& Pamella Lindell

Facts, Faith, and Tolerance: What Religion Means to Millennials

Examining an increase of religious tolerance in the Millennial generation.

Room 203

Hailey Yoo

MiraCosta College
Mentor: Lynne Miller

Russia's Economic Advantages of Global Warming

This presentation explores the economic benefits that Russia will gain from global warming, including access to farm land, oil and gas, and efficient shipping routes.

Shuowei Li

Footbill College
Mentor: Scott Lankford

China's Emerging Global Leadership in Combating Climate Change: Hoax or Hope?

An analysis of China's burgeoning commitments in tackling global climate change in light of President Trump's efforts to stifle scientific discourse and eliminate U.S. climate change policies.

Yongru Chen

Skyline College
Mentor: John Ulloa

One Child Policy in China: Is it Beneficial or Detrimental to Economy?

An examination of the economic growth in China from 1979 to 2016 and its relationship to the One Child Policy.

Alexey Isayev

Cañada College
Mentor: Michael Stanford

Marxism, Leninism, and Stalinism

A Dissection of Ideology

Identifying differences in ideology between the three major guiding forces of Communism and an extrapolation of these differences in the real world.

Room 205

Kaushik Sankar

Foothill College
Mentor: Robert Cormia

Rise of the Robo-Drivers: **“Magic Roundabouts”** as a
Test Case for Autonomous Driving

Utilizing computer vision and machine learning techniques
to program a robot to autonomously navigate through
nested roundabouts.

Kivilcim Cumbul

College of San Mateo
Mentor: Alex Wong

Haptoclones: Touchable Holograms

An analysis of the newest research on touchable and interactive
holograms.

Alam Figueroa Aguilar

Cabrillo College
Mentor: Jeffrey Clarkson

Optimization of UV Stabilization Processes

The optimization of UV stabilization processes for critical dry
etch applications using DUV 210 positive photoresist.

Alexander Einarsson

College of San Mateo
Mentors: Lena Feinman
& Christopher Walker

Statistics in Hockey: Is an Aggressive Playing
Style Preferable?

A statistical analysis of optimal playing style in ice hockey.

Room 219

Samar Al-Haqab
Crystal Johnson

El Camino College
Mentor: Karla Villatoro

The Danger of Desert Tortoises’ Not Blowing
Their Noses

An analysis of the two antibiotics used to treat desert tortoises’
upper respiratory tract infection and the behavioral changes
experienced by these tortoises.

Adrian Barrera-Velasquez

Skyline College
Mentor: Nick Kapp

Red Alert: Making Bacteria Glow Red in the Presence of
Carbon Monoxide

A study determining the practicality of using genetically
engineered bacteria as an alarm mechanism for
carbon monoxide.

Nicholas Wong

College of San Mateo
Mentor: Kathy Diamond

The Talking Forest

A thorough examination of the various applications of plant
communication through mycorrhizal fungus networks.

Room 303

Erik Hammerquist

Sacramento City College
Mentor: Paul Frank

Economic Heart of Darkness or Africa's

Saving Grace: FDI and Emigration in Post-Colonial and Non-Colonial Nations

The relationships between foreign direct investment (FDI), emigration rates, and their macroeconomic effects in postcolonial and non-colonial African countries.

Vanessa Newman
Lindsey Tam

MiraCosta College
Mentor: Lynne Miller

**Implications of Child Labor in Cote d'Ivoire
Cocoa Plantations**

This project explores cultural traditions and incentives that drive the practice of child labor on cocoa plantations in the Cote d'Ivoire region of West Africa.

Andrea Lizalde Sanchez

Modesto Junior College
Mentor: Everett Vieira III

**Renegotiating Trade: is Energy Reform Mexico's
Wild Card?**

A breakdown and analysis of the policies surrounding the Mexican energy reform and how it affects American politics and economics in correlation to NAFTA and international diplomacy.

Zain Peeran

Footbill College

Mentor: Scott Lankford

You Were Not “Right All Along”: How Confirmation Bias Corrupts Our Views on Climate Change and Gun Control

How confirmation bias negatively affects our responses to the issues of climate change and gun control.

Israel Castro Cortez

Al-Ameen Ishola

Los Medanos College

Mentors: Cindy McGrath

& Jennifer Saito

It’s a Murderer... it’s a Bigot... No, it’s a

Terrorist: A Content Analysis of Media Partiality

An examination of media bias with regard to terrorism within the three most read publications in the United States.

Nikole Gorin

Skyline College

Mentor: Joanne Babin

Media and the Art of Persuasion

A Storytelling Approach

An examination of the psychological and evolutionary impact of storytelling and a comparison to the media’s widespread use of persuasive techniques.

Rachael Idiarte

Sacramento City College

Mentor: Greg Rose

Cabernet or Counterfeit

How Chinese Grapes Diluted an Industry

An exploration of the economic impact of counterfeit wines on the consumer market.



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Session III Presentations

2:30-3:45 p.m.

All presenters and attendees are expected to arrive no later than 2:30 p.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.

Room 13

Alex Bazaar

Citrus College

Mentor: Brian Waddington

Robert Morris: The Art of Finance Through Bold Methodology

Explains how Robert Morris saved the American Revolution and stabilized the national currency by appealing to the monetary interest of people.

Whitney Unanue

MiraCosta College

Mentor: Christopher Sleeper

Andrew Jackson Redux?: Comparing Leadership Styles of Andrew Jackson and Donald Trump

The Donald Trump presidency will leave a trail of tears and destruction that will test the limits of federal institutions, democracy and presidential power.

Curtis Wang

El Camino College

Mentor: Mark Crossman

Orientalist Rhetoric: The Dangers of Trump's Rhetoric towards Chinese Americans

The 2016 election has legitimized Donald Trump's anti-Chinese rhetoric, which, along with the rise of white nationalism, poses a new danger for Chinese Americans.

Room 30

Margaux Hingey

MiraCosta College

Mentor: Lynne Miller

Impact of Kin Selection and Parity on Allomothering in Angolan Colobus Monkeys

An original study exploring the influence of kin selection and the importance of learning to mother among captive Angolan colobus monkeys.

Cassidy Schneibel

MiraCosta College

Mentor: Lynne Miller

Handedness as a Manifestation of Neural Complexity in Gorillas and Guenons

The relationship between handedness and neural complexity in nonhuman primates, which is important for tracing brain development throughout human evolution.

Selen Dikici

Michael Monaco

Josephine Tjitra

Caroline Tomasik

Irvine Valley College

Mentor: Benjamin Mis

The Influence of Priming and Color on Eye Motion and Perception

An examination of the relationship between eye movement and an individual's interpretation of ambiguous stimuli with an emphasis on the effect of priming and color.

Vaheh Shamirian

Glendale Community College

Mentor: Michael Harnett

What's So Funny?

Exploring how the development of laughter and humor jointly encompasses human emotions and behavior, as well as provides symbolic meaning in order to illustrate a social message.

Room 202

Jane Tobias

Cabrillo College
Mentor: Leticia Scott-Curtis

The Panopticon Prison and Internet

Monitoring: The Evolution of Surveillance and its Effects on Societal Behavior

A comparative analysis of surveillance as it exists in Jeremy Bentham's Panopticon Prison and in our digital lives.

Carey Lai

Footbill College
Mentor: Eta Lin

Does Facebook Protect Us?: An exploratory Analysis of Mindset, Social Media Usage, and Self-Esteem

An investigation into the influence of one's mindset on Facebook usage and the possible effects on self-esteem.

Susanna Zheng

City College of San Francisco
Mentor: Rebecca Ancheta

Personality Type and Online Dating

This research studies whether characteristics of introversion and extroversion impacts the use of online dating.

Sophia Nikraves
Jasleen Sahota

Footbill College
Mentor: Kay Thornton

Make 'Em Laugh

An exploration of the not so laughing matter of gender biases against female comedians on YouTube.

Room 203

Ji Yeun Lee

Footbill College
Mentors: Scott Lankford
& Brian Tapia

Pills of Post-Truth: Updating Rachel Carson's 1962 Silent Spring in an Era of Anthropogenic Climate Change

Rachel Carson's trusted but non-partisan legacy calls for an agora in which policymakers, scientists and the public meet to discuss and combat climate change.

Alec Roa

Skyline College
Mentors: Lori Slicton
& John Ulloa

Oklahoma: A Climate Continues to Change While a Political Climate Remains the Same

A positivist critique of Oklahoma's deep-seated political outlook on their physical environment, and their constant struggle with belief and fact.

Nicole Ronnie Miller

Footbill College
Mentor: Scott Lankford

A Blackened Truth: Modern Slavery, Ecocide, and Amazonian Coal Production

The link between modern slavery and ecocide.

Alexander Jackson

Cabrillo College
Mentor: Nicole Crane

Ulithi: Constructive Resilience Against Climate Change in Indigenous Communities

A case-study on Pacific Island communities in Micronesia merging traditions and modern science to manage local reef ecologies.

Room 205

Melanie Michel-Stuart

San Diego Miramar College
Mentors: Monica Hernandez
& Manuel Velez

The Treaty of Guadalupe Hidalgo

Botiller v. Dominguez's Significance to Documented Gender Discrimination

An analysis of Chicana resistance to the American legal system, economic violence, and political exclusion using the recovery of Chicana figures in history.

Kathleen Persinger

Saddleback College
Mentor: Margot Lovett

The Red Lanterns: On the Girls and Young Women Who Did "Not Fear Dirty Things"

This research focuses on the actions of the women's group the Red Lanterns during the Boxer Rebellion, and how their image was used during China's Cultural Revolution, as well as in American cinema.

Jennifer Snow

Sacramento City College
Mentor: Pamela Lindell

Gender Expression as an Influence of Cultural Progression and Change

An investigation of the effects of gender expression on culture as an influence of change.

Room 219

Nirinjan Khalsa

Pasadena City College
Mentor: Shane Underwood

Uncaptured Youths: Addressing the Data Collecting Methods of Juvenile Recidivism Studies

A philosophical hermeneutic perspective on the researchers' methods for data collecting within juvenile recidivism studies in Los Angeles County.

Anthony Rodriguez

Modesto Junior College
Mentor: Ginger Charles

Code of Silence: The Dangerous Culture of Secrecy in Law Enforcement

Examining the socio-psychological factors that enable the code-of-silence within law enforcement agencies and their consequences.

Scarlett Wilson

College of San Mateo
Mentor: Madeleine Murphy

Applying Mertonian Deviance Theory to Oakland Police Department Reform

Using the Oakland Police Department as a case study to understand police deviance through a sociological lens and to identify effective reform measures.

Room 303

Daryl Jones

College of San Mateo
Mentor: David Laderman

Walter Hill: Auteur and Ally

Analyzing portrayals of African Americans in Walter Hill's films.

Taylor Rosander

Foothill College
Mentors: Robert Hartwell
& Scott Lankford

Lights, Camera, Psychology: A Juxtaposition of Color Theory and Narrative Transportation in Wes Anderson Filmography

Understanding the allure of Wes Anderson's filmography through color theory and narrative transportation.

Justina Sharp

American River College
Mentor: Michaela Cooper

Being a Black Woman, As Written, Directed and Produced by Tyler Perry

Through his films and the social mechanism of black exceptionalism, Tyler Perry creates, controls and profits from content that is rooted in damaging stereotypes about black women.

Sanghui Han

Foothill College
Mentors: Scott Lankford
& John Wolf

The Reincarnation of Plastic Bags in California: A Project to Transform Garbage Bags into the Coral Reef Art

The transformation of plastic bags collected in the Bay Area into art representing the forms of various coral reefs.

Quynh Tran

American River College

Mentor: Shabla Mokhtarzada

Monopoly on Knowledge: Examining the Privatization of Research

Evaluating the patenting and privatization of research by the publication oligarchy and comparing its effects on the dissemination of research and the autonomy of researchers to those of open-access publishing.

Hwajung Sung

College of San Mateo

Mentors: David Laderman

& Madeleine Murphy

Prenatal Stress and Fetal Development

Navigating how prenatal stress affects fetal development and infant health.

Johnathan Acosta

Glendale Community College

Mentor: Michael Harnett

Society's Role in Slowing the Spread of Diseases: Preventing Sexually Transmitted Diseases through Mindset Shift

An investigation into the prevention of STDs in minority communities, changing cultural stigmas about the topic of sex, and ways to inform the communities about these diseases.



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