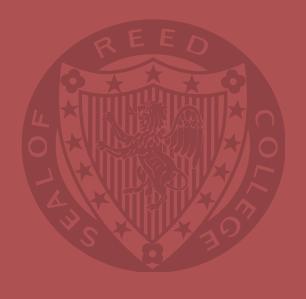
ONE HUNDRED AND TENTH COMMENCE-MENT MONDAY **MAY 13** 2024



The Program

PROCESSIONAL*

INTRODUCTORY REMARKS

Audrey Bilger, President

WELCOME

Roger M. Perlmutter '73, Chair, Board of Trustees

ALUMNI WELCOME

Dylan Rivera '95

REED COLLEGIUM MUSICUM

"Wanting Memories" Ysaye M. Barnwell (1946–)

COMMENCEMENT ADDRESS INTRODUCTION

Audrey Bilger, President

ADDRESS

Sasha Kramer '99

CONFERRING OF THE DEGREE OF BACHELOR OF ARTS

Audrey Bilger, President

CONFERRING OF THE DEGREE OF MASTER OF ARTS IN LIBERAL STUDIES

Audrey Bilger, President

RECESSIONAL*

MARSHALS

Commencement Marshal

Kristen G. Anderson, Professor of Psychology

Student Marshals

Sameer ud Dowla Khan, Professor of Linguistics Noelwah Netusil, Stanley H. Cohn Professor of Economics Margaret Scharle, Professor of Philosophy & Humanities

Faculty Marshals

Kara Becker, Associate Professor of Linguistics Alison Crocker, A.A. Knowlton Associate Professor of Physics

Please remain in place during the recessional until the faculty and class of 2024 have left the tent. Sign language interpretation is provided by Access Services Northwest. Our bagpiper is John Goff. Graduates and guests are invited to a reception after the ceremony in the Gray Campus Center Quad.

^{*}The audience is requested to rise for the processional and recessional.

Sasha Kramer '99

Sasha Kramer is an ecologist and human rights advocate who has been living and working in Haiti since 2004. She received her PhD in ecology from Stanford University in 2006 and co-founded the nonprofit SOIL that same year.

While Sasha spends the majority of her time in Haiti and the Dominican Republic, she is also a global advocate for the recycling of nutrients in human waste, helping others implement sustainable sanitation projects, and inspiring people around the world to participate in the sanitation revolution.

Sasha is also an Ashoka Fellow, a National Geographic Emerging Explorer, a Schwab Foundation Social Entrepreneur of the Year, and the recipient of the 2017 Sarphati Sanitation Award for Lifetime Achievement.

Music by Rose City Brass Quintet

Logan Thane Brown, trumpet Lars Campbell, trombone JáTtik Clark, tuba Joseph Klause, trumpet Daniel Partridge, horn

PRELUDE

Ascension Marcus S. Grant (b. 1992)

Four Pieces for Brass Quintet 2. Danzón Paquito D'Rivera (b. 1948)

Bachianas Brasileiras no. 5 Heitor Villa-Lobos (1887–1959) Arranged for the Rose City Brass Quintet by Lars Campbell

A Garden Story Part 3: The Pollinators Sara Jacovino (b. 1983)

PROCESSIONAL

Pomp and Circumstance no. 4, Opus 39 Sir Edward Elgar (1857–1934) Arranged for the Rose City Brass Quintet by Lars Campbell

RECESSIONAL

Dances from "The Danserye" Tylman Susato (1510/15—after 1570) Arranged and edited by John Iverson

Collegium Musicum

NATALIE MALLIS

Visiting Assistant Professor of Music

Soprano Alto

Jules Camden '25 Violet Burns '25
Surabhi Kannappan '25 Zoe Cute '25
Kayla Dart '26

Bass

Zimm Davis '27 Tenor

Lucca Jones '26 Auden Oliveri '25
Miles McCall '25 Max Ongbongan '25
Josue Sandoval '25 Sal Wallin '25

"Wanting Memories"

Ysaye M. Barnwell (1946-)

I am sitting here wanting memories to teach me to see the beauty in the world through my own eyes.

You used to rock me in the cradle of our arms,

You said you'd hold me till the pains of life were gone.

You said you'd comfort me in times like these and now I need you, and now I need you and you are gone.

I am sitting here wanting memories to teach me to see the beauty in the world through my own eyes. Since you've gone and left me, there's been so little beauty,

But I know I saw it clearly through your eyes.

Now the world outside is such a cold and bitter place, here inside I have few things that will console, and when I try to hear your voice above the storms of life then I remember that I was told.

I think on the things that made me feel so wonderful when I was young, I think on the things that made me laugh, made me dance, made me sing. I think on the things that made me grow into a being full of pride; think on these things, for they are truth.

I am sitting here wanting memories to teach me to see the beauty in the world through my own eyes. I thought that you were gone, but now I know you're with me; you are the voice that whispers all I need to hear.

I know a "please", a "thank you" and a smile will take me far, I know that I am you and you are me and we are one, I know that who I am is numbered in each grain of sand, I know that I've been blessed again and over again.

I am sitting here wanting memories to teach me to see the beauty in the world with my own eyes.

Seniors are listed alphabetically under each of Reed's five academic divisions, followed by interdisciplinary majors that cross the divisions and master's graduates. The listing includes the academic department in which the student majored and any concentration within that major (noted by a colon). The title of the student's thesis is listed, except for students who completed one of Reed's combined degree programs in place of the thesis year at Reed.

The information within this program is accurate as of time of printing on May 7, 2024.

The Arts

ANDREW BAYLES

Music

Working Lives of Jazz Musicians: Labor and Value in Portland's Jazz Scene in 2023/2024

JAIME ANDERSON BELDEN Dance

The Plan Is To Feel Bad: Reflections on I Made It Home Safely

ER BRADY Art: Studio Art

Here's What I DID: A Physical Representation of a Difficult to Interpret Disorder

HUGH CLYMORE Art: Studio Art

A Corner Daydream

ANIELA GROMADA COHIG Art: Art History

Contentious Consumption: LSD Blotter Art Inside and Outside of the Museum Space

EMILY D'ACHIARDI Art: Art History Digitizing The Self

SIMCHA LARAMIE APRICOT EINHORN

Art: Studio Art

Combined program, Pacific Northwest College of Art: i'll be your mirror

WILLIAM GOODWIN IV

Music

Using Generative Structures to Aid Live Performance

MALORI GRAVES

Music

Hear Us Scream: Exploring Trans Voices/Expressions in Music

OLIVIA LEE Art: Studio Art Grandpa's in the Shed

RIMONA LIVIE

Art: Art History

Drag Faces Hypernatural and Supernatural Makeup

GREGORY ALEXANDER MACK Music

Music Sampling: At the Crossroads of Audio Innovations and Intellectual Property Regulations

MILO KOHL MARTINEZ Art: Studio Art

Sharing Soup and Stories

RACHEL MODLIN

Music

Spectral Shifts: Understanding the Collaborative Pianist Through Genre, Listening Habits, Partnership, and Practice

SID ROSEN PERRETT

Music

Radical Scenes of Noise: An Ethnographic Study of Noise Music in Portland, Oregon

JODY READ

Theatre

Caring Creation: Centering Survivor's in Katy Koop's The Amazing Cunt and Lil'Bitch take Portland!

SILAS ROCK

Art: Studio Art

The Fool's Errand: the Perennial Symbology of the Archetype of the Fool, and The Medium of Graphic Novels

AHMED SHANAB

Art: Studio Art

Essays on Street Art, Neo and Self Expression: The Egyptian Revolution of 2011

ELIAS SISNEROS

Music

Olympia Indie Pop: Creating an Independent Music Scene Through Style, Ideology and Genre

RIVI YERMISH

Art: Studio Art

Piecing Daughterhood: Cloth, Gender, and Memory

SAFI MILA ZENGER Art: Art History

Control Liberate the Narrative: Black Liberation Through Re-Appropriations in Modern Art

SASHA ZUBIETA

Music

Heard But Not Seen: The Life and Work of Female Composers in the Science Fiction and Fantasy Film Genre

History & Social Sciences

ARIANNA HELENA AGUIRRE

Anthropology

One Albuquerque? Crime, Security, and Dispossession in Albuquerque's Sacrifice Zone

SUNG BUM (SIMON) AHN

Economics

Non-Accelerating Inflation Rate of Unemployment Dynamics in Developed Economies: Post 2007-2008 Financial Crisis Insights from the Group of 7

ELISA OLIVIA ALMANZA

Sociology

Everyday Violence or Tragedy?: Race and the Media Construction of Mass Shootings in Illinois

BRADEN BARKLEY

Sociology

Between Order and Anarchy: Constructing Police Legitimacy During the Portland George Floyd Uprising of 2020

CAZADOR BARNUM

History

In the Company of the Marquis: Reevaluating the Collapse of the Aztec Empire

ISAIAH BEENHOUWER

History

Adolf Eichmann: An Inherited Thorn in the Argentinian Side

GRACE BENSON

Political Science

"I am here today not because I want to be": How the #MeToo Movement Impacted New York Times Reporting of Sexual Misconduct Allegations Against Supreme Court Nominees

ELEAZAR BIRKE

Economics:

Quantitative Economics

Time-Inconsistency's Influence on Preference and Retirement

EMMA BRAMSON

Economics

"It's All About the Green": The Tony Award's Effect on Broadway Show Demand

SOPHIA RENÉE BRISBON

Economics

Regional Effects on the Determinants of Per Capita GDP in China

HAYDEN BROTHERS Political Science

Broken Chains, Broken Plough: On Mourning in Post-Revolutionary Ireland and Haiti

ROHAN YAGA BUGGANA **Economics**

The Political Economy of India's Right to Work: Explaining Geographical Variance in the Intensity of the National Rural Employment Guarantee Act.

JOZIE BURNS **Economics**

An Analysis of Race- and Income-Based Disparities in the National Distribution of Environmental Hazard

LESLIE CONTRERAS ROMERO **Economics**

Rethinking Plant-Based Foods: Obstacles to Broad Adoption of Plant-Based Diets

MATTHEW RUI CROMAZ Economics

The Transition from Loot Boxes to Battle Passes in Video Games

DECLAN HAIN CRUZ Economics

TIF: Terrific or Terrible? The History and Efficacy of Tax Increment Financing in Portland, Oregon

ELLEN CURRIE Political Science

The Case for Harm Reduction: Explaining America's Reluctance for Harm Reduction Policy Implementation

AROON BARUA DAS **Economics**

Airline Profitability & Fleet Strategies in a Carbon-Tax Environment

COURTLAND DORRIS Anthropology

Returning to Repatriation: An Examination of the Evolving Forces Behind the Native American Graves Protection and Repatriation Act

ZOE DRAJEM History

Made to Move: Tracing the Construction of Hobo Identity Through Narrative

RAVEN DUCLOS Sociology

Reel Identities: The Portrayal of Asian American Experience in U.S. Cinema

ABIGAIL DURRANT Political Science

Out of the Woods: Land Use Allocation and Timber Regulation Changes on Oregon and California Land

QUINLAN KATE EVANS Political Science

The Sky Has No End: A Discourse Analysis of Russian and Kazakhstani Technopolitics Surrounding the Baikonur Cosmodrome from 2014 to 2024

JASON ALLYN FINN History

An Empire of Racial Liberty: Jefferson's View on Liberty and Race in the Early U.S. Republic

EVA GALLARDO GARCIA Anthropology

Theologizing Queerness: The Formations and Impacts of Roman Catholic Ontological Fields

NATASHA GHESQUIERE Anthropology:

Linguistic Anthropology

Che Boludo, Lunfardo Language influence on the Realisation of Argentine identity

HANNAH DANAË GOODMAN Sociology

Climate Change Adaptation Strategies in Maine Oyster Aquaculture

LAUREL GRAY History

A Man and His Monument: The Creation of the Nixon Presidential Library and the Archival Impact of Richard Nixon's Legacy

SINAN GREHAN **Economics:**

Quantitative Economics

The Effect of Federal Disaster Relief on State-Level Income Inequality

WANGTAO (MARTIN) GU Anthropology

An Ethnography of the Shanghai Marriage Corner: Value, Semicolonialism, and Racial Categories

ANNIKA STORY HARTSOCK Sociology

"If you wait in the systems, you're just not going to get helped:" Uncertainty and Strategies of Agency Within Medical Institutions for Patients With Contested Illness

CATIE HERBERG History

Radical Frontiers: Finding Utopia in the Early United States

OLIVIA HICKS History

Power, School, and Race: Social Emotional Learning as a Legacy of Black Power

CECILIA CLARE JANUSZEWSKI Anthropology: Linguistic Anthropology

Say it with flowers: the semiotics of a not so secret language

LINDA JOY JOHNSON Anthropology

Marielle Presente: Living and Dreaming through Death in Brazil

OLIVER JORDEN Political Science

Pragmatic Disassociation: Georges Sorel and Mikhail Bakhtin

JUNE JUNG Political Science

Technology, Time, and Being: A Reading of Heidegger

SOEUN KIM Political Science

Who gets 'Developed' in Development Finance? Historical Political Economy of the World Bank and Chinese Lending in Zambia

BUCKMINSTER KUEHN Sociology

Street Plazas and their effects on Local Businesses and Sociability

ARI LIBOVE-GOLDFARB History

Is It Good for the Jews? Conceptions of Modernity in American Jewish Folk Dance 1910-1990

LINDA LU Sociology

The Emergence of Community Owned Solar Projects in the United States

KWANI-FAWN KATHERINE MARCELLAY Anthropology

Jurisdictional Third Space on the Colville Confederated Tribes Reservation

GABRIEL MAY Political Science

A Multiple-Streams Framework Analysis of the Post-Coronavirus NYC Policy Agenda

THE MEAD MAN Economics

In Praise of Appraisal: the Theory, Effectiveness, and Misuse of Cost-Benefit Analysis in Developmental Economics

YUXUAN MENG

History

General Grant's mediation of the Ryukyu Crisis in 1879

MYCHAL J. MILLER Political Science

A Decade of Integration on the Southern Border

NAT WOODROW WILDCAT MILLS

Economics

The Status Quo Bias on Mobile Privacy Settings

ELIZABETH ORGAN Anthropology

The Making of a Good Birth

SIENNA OTERO Anthropology

My Grandma Thinks I'm Digging in the Swamp: Nostalgic Practice as Survivance

ZIQING (MONA) PAN Economics

Eco-nomics of Change: How the Inflation Reduction Act Reimagines Fiscal Ecology

CORNELIA SOMA PENN Economics

Effects of the Garment Industry on Women in Cambodia and Bangladesh

OLIVIA PHILLIPS

Economics:

Quantitative Economics

State SNAP Policy: Enrollment, Poverty and Food Security

M.J. QUINTANA-RODRÍGUEZ History

Keep Your Hands Off My Books: How Grove Press Championed Against Literature Censorship

GRETA PLANTINGA REGAN Political Science

The Causal Stories of Oregon's Homeless Policy in the 2020's

ANNA ROMO Anthropology: Science, Environment, and Technology Studies

Porous Perspectives: Dementia and Creativity through Communication

REESE SCHAFFER Anthropology

Imagining Digital, Queer Utopias: Queering the Map as Archival World-Making

KELLEN SINCOFF History

Empires of the Minds

SARVODAYA SINGH Economics

Navigating the intersection of Faith and Finance: The role of Islamic Finance in shaping FDI decisions in Muslim majority countries

JULIA SO History

Analyzing Political Relationships in Five of Plutarch's Lives

TYLER WEST STEVENS-SCANLAN Anthropology

Scales of Collectivity Among Systems on TikTok

WEI SUNG Economics

Financial Inclusion in Brazil: The Role of Individual Characteristics and Socioeconomic Backgrounds

ALEXANDER TAGASHIRA-MCGILLICUDDY Political Science

The Drying of the Colorado River: How the Neoliberalization of Ecosystem Service could impact U.S. Water Resources

ZONYA JUNYU TANADA Economics

The Starving Artist? Analyzing Dance Major Graduation Rates During Recessions

WALKER THOSS Political Science

Occupy Congress: Professional Careers and Descriptive Representation in the United States House of Representatives

RAFAEL TORRES Economics

How Can Digital Advisors Cater to Loss-Averse Investors?

LILIAN VALENCICH Political Science

The Battleground of Education: Navigating Censorship, Parental Rights, and Political Indoctrination in the Era of American Culture Wars

MARTINA ANNETTE VALLE Economics

Inequality & Education: A Case Study on Peru's Urban Dynamics

ISAAC WALTON Anthropology

Aging in The Sun: An exploration of the Jewish Retirement Community in South Beach, Florida.

DASHIELL WARD Political Science

Tragedy of the Comets: Collective Action Problems in the Regulatory Sphere of Low-Earth Orbit

AIDAN N. WHITE Political Science

Rattled: Shifts in Global Nuclear Norms due to Russian Nuclear Threats in the 21st Century

Literature & Languages

SABRINA BLASIK English

"ov' è questa giustizia che 'I condanna?": The Paradox of the Virtuous Pagans in Dante's Commedia

MIA CARRILLO

English: Creative Writing
Becoming a Body of One's Own

CAROLYN CHEN Comparative Literature

Like Water: A Cross-cultural Journey through Philosophical and Poetical Tides

MADELEINE GRACE MOORE COLEMAN

English

Complexity in Comfort: The 21st-Century American Weekly-Release Sitcom

ARIEL R. COOPER

Greek, Latin, and Ancient Mediterranean Studies: History and Archaeology

Performing the Lover: One Solution to Two Crises of Masculinity in the 1st and 12th Centuries

RUBY CULHANE English

The New, Womanly Jewish Man: Leopold Bloom's Public and Private Negotiations of Jewish Identity in James Joyce's *Ulysses*

LUZ LILIANA CARACOL DEVALIER Y VAZQUEZ Comparative Literature Areíto

SAGE RHIANNON DOANE English

Now That I Know That We're Breaking Apart Again: Lyric Responses to Death and the Dead in Britain c. 1370-1570

QUINLAN KATE EVANS Russian

The Smoke of Our Motherland: The Aesthetics of Industrial Ruin in Three Works from Russian-Speaking Ukraine

MADISON ROSE FELZIEN English

Mouthfeel

RUSSELL DEAN FOUST Comparative Literature

Walter Benjamin's Der Erzähler and the Rise of Information in Modernity

NINA GOPALDAS Comparative Literature

"Take a Hundred Lines for the Memory of Those who Lived on Tubabao": The Poetics of Exile and Displacement in Olga Skopichenko's Verse

JENNIFER DARIA HADAWI Comparative Literature

газель - غزل Notes on the Persian Element in Russian Symbolist Poetry

REBECCA A. HASSI English

Plath and Maternal Grief

KARINA HIGGINSON English

Every American's Psycho: Masculine Self-making and Conduct Literature from Benjamin Franklin to American Psycho

VERONICA SIRAN HUA English

Female Agency and Interstitial Spaces in Medieval Romances

MADELINE HUBER

English: Creative Writing Snailseed Pondweed

RAHOUL JUAN DE KOBBE English

Spanish Cinema Adapted: What Hollywood Changed and Why

ESMÉ KAPLAN-KINSEY English: Creative Writing

The Animal at Unease with Itself

JORDAN ELIZABETH KAPPLER English

Daphne du Maurier's *Rebecca*: The Poetics, Places, and Gender Politics of the Lesbian Gothic

ZACHARY KASPER Comparative Literature

All They Do is Sit and Talk About Me: Representations of the Self in Queer Cinema

HENRY WYETH KENDRICK English

Naturalist Afterlives of the Frontier Myth

JUNIPER KERELIS English

Yams Extending Infinitely Across Time: A Blues Philology of Ellison's Invisible Man

KATE KOEFOED-NIELSEN English

A Different Kind of Canoe: The Circulation of Lushootseed Stories in the Contemporary World

KATHERINE HAE-IN LEE English

"Uses of the Erotic" in the Poems of Audre Lorde, Rita Dove, and Ntozake Shange

NATHAN ROBERT LEMMON English

True Confessions: Reading Hearts in Three Novels of Graham Greene

EMMA ASTER RISKIN English: Creative Writing

Leer

JULIE BRANCH ROGERS English

De-centered and Embraced: The Re-union of Character and Setting in *Tess of the d'Urbervilles* and *Seven Steeples*

ELIZABETH K. ROLLISON Greek, Latin, and Ancient Mediterranean Studies: Greek and Latin

Kleos through the Oikos: Women as Household Managers in the Odyssey

ARLEY WELLER SAKAI English: Creative Writing

Plans for an Amphitheater: A Novella

ALEXANDER POLLVOGT SOLTESZ Comparative Literature

Nietzschean Space In Bely's *Petersburg*

LEAH STIEVATER Comparative Literature

Reading the Doppelgänger through Bataille

JANE TANG English

Can You Do Things with Lyric? Explorations of Presence/Absence in Select Elegiac Lyrics

PHILLIP VERCELLONE English

Constructing Romani Identity in Les Ursitory and Stopping Places

RACHEL ANN VOGEL English

Again, in the Green World: The Pursuit of Linguistic Closure in Henry Green's Late Modernist Works Back and Concluding

JESSE ROSE WEISS English: Creative Writing

Mind the Gap

ANNA RENATE WILSON Greek, Latin, and Ancient Mediterranean Studies: History and Archaeology

Who is Ethnicity For? A Comparative Archaeological Investigation of Ethnicity in Teotihuacan and Ostia Antica

ELIZABETH WING English: Creative Writing I WOULD NEVER THROW A FIRECRACKER INTO DRY GRASS, BUT-

Mathematical & Natural Sciences

MARLO ALBERS Mathematics

The *h*-Vector Conjecture for Matroids with Cycle Systems

APOLLO JAMES YIN ALBRIGHT

Mathematics-Physics

Transmission of an Electron through a Saddle Potential

SEBASTIAN ANDRADA

OTTONELLO

Computer Science

Hands-On Experience:

A Pedagogical RISC-V Simulator

AMELIE ANDREAS

Biochemistry and

Molecular Biology

MntR: The Mastermind of Manganese Ion Homeostasis

KUSH ARYA

Mathematics-Computer

Science

Verifying Arithmetic Incompleteness

EMILIE BADENER

Biochemistry and

Molecular Biology

Kratom's Kinetic Conundrum: An Exploration of Kratom Alkaloidal Competition in Human Liver Metabolism

HE BAI

Mathematics: Statistics

Extending Targeted Function Balancing to Models without Linear Representations

CONOR BEKAERT

Mathematics: Statistics

Towards a Weighted Joint Statistical Model for Rankings and Ratings

JOSEPHINE BICKNELL Biology

A Codrug for Resistant

Coinfection: The First Clinically Relevant Antimicrobial-Antiviral Ionic Cocrystal

TAYLOR BLAIR

Computer Science

Topological Data Analysis for Cache Prediction

LENA SYLTE BLOOM

Mathematics

Maximum Overdrive: a Frequency Response Analysis of Distortion Due to Clipping

MOLLIE BOOR

Mathematics

Towards Constructing the Affine Partition Algebra

ANDREW BRAHAM

Chemistry

Controlling Regioselectivity in Nucleophilic Addition of 4-Methylindole Anions

SEAN BROWN

Biology

A Migrating Protocol! Myotube migration in Drosophila Testes

KENAI BURTON-HECKMAN

Mathematics: Statistics

tfb: a Package for Targeted Function Balancing

DAVID BEACH CARLIP

Mathematics

Some Approaches to Hilbert-Kunz Multiplicity

ALLES CATALAN

Physics

Peaks & Valleys: Creating Network Models From Disordered Potentials in Quantum Hall Systems

CASANDRAH L. CATTERTON

Chemistry

Supramolecular Sponge Blobs: Tuning Electronic Environments to Promote the Crystal Growth of Polymeric Boroxine Networks

MENG-WEI (VIVIAN) CHEN

Physics

A Study on the Lindblad Master Equation of Open Quantum Systems Using Spin-1/2 Chains

NIELS CHRISTOFFERSEN

Computer Science

Using Machine Learning to Predict Reading Comprehension Based on Demographic Factors

HANNAH CHUBIN

Physics

Illusory Motion Produced by a Computational Model of the Retinal Direction Selective Circuit

ADAM COHEN

Mathematics-Physics

Calculus on Twisty Stuff: The Local Index Theory of Dirac Operators

SAMUEL FRANCIS COSCIA Physics

Extracting Cosmological Parameters from Cosmic Microwave Background Temperature Map Data

ALEC DECONTRERAS Biology

Anticolonial Diplomacy in Biology

JULES DUBEL Biology

Any Color You Like: An Exploration of Ball Python (Python regius)
Pigmentation and Patterning
Genetics

BRENT ALLEN ELLIS

Physics

Investigating Uniform Point Distributions on the Sphere with Constrained Dynamics

SARAH ELLIS Chemistry

A Kinetic Investigation into the Mechanism of Pt–Methyl Bond Protonolysis

ASA WOLF FERGUSON Mathematics: Statistics

Comparing Classic Parametric and Novel Machine-Learning Techniques to Analyze Survival Data: an Application to Historical Population-Based HIV Surveys in Sub-Saharan Africa

XINRAN GAO Mathematics-Physics

Combined program, Columbia University

MADISON GAROFOLO Computer Science

Testing for Fairness: A Different Condition for Consensus Algorithms

ALIYA GHASSAEI Computer Science

Leveraging Comparative Graph Theory to Model Gene Co-expression Data

ANNA SOO GODFREY Biology

A Postulation on the Role of *Drosophila* Protein Split Discs in Focal Adhesion Assembly

LEE ROME GOLDENBERG Biology

Swimming in Strange Waters: Investigating Daphnia Gene Regulation in Response to Changes in pH

QUINN HARGROVE

Mathematics: Statistics

Visualizations to Improve Ranked Data Analyses, with Applications to Board Game Data

CHRISTOPHER HAYS

Physics

Survey of the Hubble Tension and Proposals for a Solution

HENRY H. JACQUES

Biochemistry and

Molecular Biology

Structural Prediction of MHETase NIhH in PET-degrading Pseudomonas Bacteria

ALAN JESSUP

Computer Science

A Continued Inquiry into Granularity-Change Cache Simulation

VILMA KODYTE Biochemistry and

Molecular Biology

Managing Manganese: The Corporate Duties of MntR in Regulating Metal Ion Homeostasis

APRIL KOPEC Mathematics-Computer Science

Scaling Explainable Artificial Intelligence Filtering and Approximations for Influence Functions for Large Language Models

ISABELLE LAUN

Biology

Knock Knock, Who's There? Sound Production in Julidochromis

ELLA BIRD LEWIS

Biochemistry and

Molecular Biology

A Spoonful of CYP3A4 Helps the Kratom Go Down: Kratom metabolism in the liver and purification of the responsible enzyme CYP3A4

ASTRID OLIVIA LILLY

Mathematics

An Invitation to Tate's Thesis

XINRAN LIU Mathematics

Classical Simulation for Quantum Random Circuit Sampling in the Regime of Anti-concentration

YANCHENG LIU Mathematics-Computer Science

Suboptimal Multi-Heuristic Approaches for Solving the Rubik's Cube Incorporating Deep Learning and Group Theory

CARTER LUCK Computer Science

Mixed Signals: A Game-Based Analysis of the Signal Protocol in the Presence of Active Adversaries

MAXINE LUCILLE LUDINGTON Biology

It's Not Just In Her Head: Sex Bias and Autoimmune Disease

ETHAN SAGE MACBROUGH Mathematics

Sparse theorems are full of triangles

IAN MACCOURT Biology

The Genetic and Environmental Conditions Leading to Asexual Reproduction within Aconitum Columbianum

UNDA MARCH

Physics

Celestial Choreography: Turbulence's Influence on Dust Clouds in the Heart of NGC 628

ASHER JAIN MARVY Biology

Community Composition and Size-Structure Characterization of Phytoplankton in the Northern Gulf of Alaska

SOLÍS TOMÁS JUGGERNAUT MCCLAIN Mathematics

Matroids and their cycle systems: the h-vector conjecture for a new class of matroids

ETHAN MCDONALD Mathematics-Computer Science

Exploring Memory Tiering Policies for Composable Memory Systems.

MARC MCNAMEE

Physics

Berry Phase Estimation with Quantum Computation

TARN MCQUISTAN

Physics

Delayed Relay Feedback Control for an Inverted Pendulum

MADELEINE A. MICHAEL

Physics

Dust Motes and Galaxy Formation

KEIKILANI MILLER Biochemistry and Molecular Biology

Not So Crystal Clear: Towards a Structural Analysis of the Manganese Exporter MneP

OLLY MILSHTEIN Mathematics

The Cobordism Hypothesis and Topological Quantum Field Theories

ETHAN LANGSTON MYER Biochemistry and Molecular Biology

Hypervalent Iodine and Iodonitrene in the Synthesis of Pyrazoles and Hydrazones

SERAFIMA NERUSH Computer Science

Parameter-Pack Iteration in Swift

NGÔ THI XUÂN THU Computer Science

"Integrating Collaborative Filtering - A Recommender System - into iOS Applications: Enhancing User Experience and Engagement"

LAUREN ANNETTE **NICOLAYSEN**

Biology

It's Not Just The Straws: Investigating the Biology and Genetics of Sea Turtles and the Implications of Climate Change

AINSLEY NORMAN Biology

Seurat & Suffering: Identification of Endoreduplication Using Computational Methods in Soybean Nodules

GABRIELLE F. ONG-DEAN Biology

Pollination Mechanisms and Pollen Vectors of the Dioecious Species Oemleria Cerasiformis

MISHA OSTROVSKY Biology

Combining FANS and snRNAseq to Better Investigate Endopolyploidy In Glycine Max

HOPE PALMER **Physics**

That's Hot! Heat Loss at the Reed Research Reactor

ALESANDRA ISABELLA **PARDINI**

Biochemistry and Molecular Biology

A SPECC1L Protein: Biochemical Investigation of the Drosophila Homolog Split Discs

SOFIA Y. PARDO Biology

The Birds and the Biases: The Influence of Socio-demographics on Urban Bird Communities & eBird Surveys in Portland, OR

PATRICK JUN PARK

Physics

Combined program, Columbia University

ELLA PASCOE

Physics

An Experimental Investigation of Internal Solitary Waves

ANATALYA PIATIGORSKY **Physics**

Experiments in Photon Propulsion: A Lab-Based Investigation Into the Mechanism Behind Solar Sailing

JACKSON D. PILLIFANT Biology

Timing Is Everything: Cell Cycle Pacing Across the Dorsal-Ventral Axis of the Developing Zebrafish Retina

TINA QIN

Mathematics: Statistics

Autoregressive Time Series Modeling: A Comparative Analysis of Parameter Estimation and State Prediction Methods

GIFFORD QUINN Computer Science

Analyzing the Impact of Userspace Bypass on the Performance of the Spectre Attack

CALLIOPE REIMANN

Mathematics

Extending Galois Connections between Posets to their Representations

MAX RICHARDSON Biology

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SUSAN D. CALLAHAN Master of Arts in Liberal Studies The Brownies' Book: W.E.B. Du Bois's Community Schoolhouse

EMMA HOLLAND Master of Arts in Liberal Studies Investigating the Efficacy of Applied Theatre: A Theoretical Exploration into Quantifiable Impact using Community Sentiment Analysis

A Note on the Beginnings of Reed College & Commencement

In the late 1800s, the Reverend Thomas Lamb Eliot suggested to two of his parishioners, Oregon pioneers Simeon and Amanda Reed, that they use their wealth for the betterment of society. He urged them to found "a Reed Institute of lectures and arts and music and museum." In 1908, with contributions from Simeon and Amanda's estate after their deaths, a board of trustees led by Eliot established the Reed Institute in Portland, Oregon.

Reed College began its first classes in 1911 with 50 students—26 men and 24 women—and 15 faculty members. As an innovative experiment to restore relevancy to the liberal arts in an age dominated by science and industry, Reed sought neither the size and specialization of the university nor the intercollegiate athletics and elaborate social life that had become standard at many private colleges.

Under the inspiration and guidance of Reed's founding president, William Trufant Foster, the college set out to build a democratic community without regard for nationality, gender, religion, race, or class. No fundamental distinctions were made between students and faculty in what was called "the quest for truth." Students were expected to do original work in a major subject area—the senior thesis. A principle of honor governed all aspects of campus life.

Reed held its first commencement ceremony in 1915, for which President Foster conferred degrees on the back steps of Eliot Hall. In the last few decades, the college has usually invited a notable graduate to give the commencement address; recent alumni commencement addresses have been given by Kraig Kraft '00, Adonia Lugo '05, Lisa Nakamura '87, Michelle Nijhuis '96, Larry Sanger '91, Robert Smith '89 and Igor Vamos '90.

For over a hundred years Reed has remained steadfast in its belief in the intrinsic value of rigorous scholarship, the joy of serious intellectual pursuit, and the essential role of community in the development of knowledge.

A Note on Academic Regalia

Academic regalia worn at commencement reveal different types of academic achievement through the use of different styles and colors of gowns and hoods. The bachelor's gown has a long, pointed sleeve; the master's is a long, closed sleeve with a slit at the elbow; and the doctor's is a very full, bell-shaped sleeve with the bands matching the color of the gown opening. The hoods are lined in the official color of the institution that conferred the degree, although the bachelor's hood is rarely used. The colored velvet binding in the hoods indicates the academic area in which the degree was earned—white for liberal arts, yellow for science, purple for law, red for theology, green for medicine, and blue for philosophy.

