



UW Undergraduate Research Symposium

May 17, 2019, 11AM to 6PM

A celebration of undergraduate scholarship and creative work.

www.washington.edu/undergradresearch/symposium

55 UW Bothell students presented their research at the 2019 UW Undergraduate Research Symposium as oral presentations, visual arts & design displays, or as research posters. Below is a list of students who presented. We encourage everyone to come and support our UW Bothell students annually during the spring! Use #UWSymp if you post about the symposium on social media.

Oral Presentations

Student Name	Major	Mentor	Project Title	Time	Location
Dion Jamel Thompson	Applied Computing	Robin Angotti	Math Placement Exams: Fair or Foul?	ORAL PRESENTATION SESSION #2: 3:30PM - 5:15PM	Mary Gates Hall 254
Geoffrey Powell Isom	Computer Engineering	Abulrahman Ghalib	Mathematical Modeling and Design of a Robot Prototype	ORAL PRESENTATION SESSION #1: 12:30PM - 2:15PM	Mary Gates Hall 238
Kalen Mills	Applied Computing	Jennifer McLoud-Mann	Interactive Construction and Exploration of Hexagonal Mosaic Knots	ORAL PRESENTATION SESSION #1: 12:30PM - 2:15PM	Mary Gates Hall 271
Kimberley S Cross	Health Studies	Stefanie Iverson Cabral	Adversity, Toxic Stress, and the Immune Response: An Emerging Area of Research	ORAL PRESENTATION SESSION #1: 12:30PM - 2:15PM	Mary Gates Hall 284
Vladka Behrova	Business Admin	Deanna Kennedy	The Role of Team Communication in Identifying Potential Social Loafers	ORAL PRESENTATION SESSION #1: 12:30PM - 2:15PM	Mary Gates Hall 238

Visual Arts & Design

Student Name	Major	Mentor	Project Title	Time	Location
Andrew McDonald	Interactive Media Design	Dargan Frierson	Eco-nomy GO: An Augmented Reality App that Focuses on Environmental Education	POSTER SESSION #3: 2:30PM - 4:00PM	Mary Gates Hall 241 easel #134
Reginald King	Pre-Major	Dargan Frierson	Eco-nomy GO: An Augmented Reality App that Focuses on Environmental Education	POSTER SESSION #3: 2:30PM - 4:00PM	Mary Gates Hall 241 easel #134

Poster Presentations

Student	Major	Mentor	Project Title	Time	Location
Alan Kwiatkowski	Mechanical Engineering	John Bridge	Accelerated UV-Aging of a Wax-Based Binder used in a Synthetic Granular Composite Equine Sports Surface	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 241 easel #136
Allen Marcus Lewis	Health Studies, Biology	Katryna McCoy	Stress, Cognition And Quality Of Life In Women Living With HIV	POSTER SESSION #1: 11:00AM - 1:00PM	Commons West easel #33
Alvin B. Duong	Biology	Pierre Mourad	Virtual Environments in Stroke Rehabilitation	POSTER SESSION #2: 1:00PM - 2:30PM	Balcony, easel #120
Anchala Krishnan	Mathematics	Robin Angotti	The Impact of Peer Facilitation on Students' Perception of Undergraduate Mathematics	POSTER SESSION #1: 11:00AM - 1:00PM	Commons East easel #46
Angelica R Lucchetto	Pre-Major	Avery Cook Shinneman	Algal Contributions to Nitrogen Flow in Spirit Lake	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #57
Annie Pederson	Biology	Kristina Hillesland	Can Microbes Fake Coevolution?	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #177
Aqsa Mohammed	Biology	Kristina Hillesland	Can Microbes Fake Coevolution?	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #177
Arrido Arfiadi	Applied Computing	Xiahua (Anny) Wei	Using Business Intelligence to Predict Consumer Behavior: An Executive Approach	POSTER SESSION #2: 1:00PM - 2:30PM	Commons East easel #80
Atom June Zheng	Biology	Jeff Jensen	Varitation of Gill Rakers Among the <i>Oncorhynchus nerka</i> Species	POSTER SESSION #1: 11:00AM - 1:00PM	Mary Gates Hall 206 easel #177
Babak Taheri	Biology	Keya Sen	Finding the Lineage of <i>Escherichia coli</i> (<i>E. coli</i>) Isolates from Wetland	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #58
Camilo Jose Acosta	Biology	Michele Price	Boom and Bust: Successional Shifts and New Additions to the Ground Beetle (<i>Coleoptera</i> : Carabidae) Community on Mount St. Helens	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 241 easel #128
Christine Ngoc Nguyen	Applied Computing	Xiahua (Anny) Wei	Understanding the demand on WA I-405 HOV Lanes through Economics	POSTER SESSION #2: 1:00PM - 2:30PM	Commons East easel #80
Dan Ye	Business Admin	Xiahua (Anny) Wei	Understanding the demand on WA I-405 HOV Lanes through Economics	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #82
David Mateo Ricci	Biology	Keya Sen	Multilocus Sequence Typing of <i>Campylobacter jejuni</i> Isolates from Crow of Two Different Geographical Regions	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #176
Elaine Montes	Policy Studies	Xiahua (Anny) Wei	Understanding the demand on WA I-405 HOV Lanes through Economics	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #72
Eli Nicholson	Law, Economics & Public Policy, Global Studies	Benjamin Gardner	Reconstructing the Silk Road: Exploring China's Economic Strategy, Investments and Political Affairs in Africa	POSTER SESSION #1: 11:00AM - 1:00PM	Commons East easel #47
Fatima Ali Mirza	Health Studies	Katryna McCoy	Stress, Cognition And Quality Of Life In Women Living With HIV	POSTER SESSION #1: 11:00AM - 1:00PM	Commons West easel #33
George Zhou	Computer Science & Software Engineering	William Erdly	Developing Tools for Identifying Preliminary Vision Deficiencies in Children	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 241 easel #163
Ginger L Lash	Biology	Thelma Madzima	Chromosomal Mapping of the MOP1-FLAG Transgene in <i>Zea mays</i> (maize)	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 241 easel #161
Hemantha Sravya Akkaraju	Mathematics	William Erdly	Developing Tools for Identifying Preliminary Vision Deficiencies in Children	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 241 easel #163
Ileana Monserrat Rodriguez	Biology	Douglas Wacker	Altering Pause Rate in Crow Call Sequences	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #168

Student	Major	Mentor	Project Title	Time	Location
Jackelyn Tolentino Garcia	Biology	Cynthia Chang	Phenotypic Plasticity and Transgenerational Epigenetic Modification of <i>Arabidopsis thaliana</i> in Response to Variable Conditions Predicted with Climate Change	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 206 easel #172
Jacky Yeung	Electrical Engineering, Mechanical Engineering	John Bridge	Accelerated UV-Aging of a Wax-Based Binder used in a Synthetic Granular Composite Equine Sports Surface	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 241 easel #136
Jared D Slattery	Chemistry: Biochemistry, Biology	Douglas Wacker	Altering Pause Rate in Crow Call Sequences	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #168
Jordan Fette	Environmental Science	Amy Lambert	Diversity and Abundance of Bee Species on the University of Washington Bothell and Cascadia College Campus	POSTER SESSION #1: 11:00AM - 1:00PM	Mary Gates Hall 206 easel #168
Kenleigh Paige Weber	Media & Communication Studies	Ron Krabill	Yemen: Disastrous Civil War and U.S. Complicity	POSTER SESSION #3: 2:30PM - 4:00PM	Commons East easel #83
Kiana Imani	Biology	Thelma Madzima	Epigenetic Regulation of the Maize BTF3 Transcription Factor under Drought Stress	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 241 easel #160
Kristen Attebery	Computer Science & Software Engineering, Environmental Studies	Amy Lambert	Diversity and Abundance of Bee Species on the University of Washington Bothell and Cascadia College Campus	POSTER SESSION #1: 11:00AM - 1:00PM	Mary Gates Hall 206 easel #168
Lauren Chantalle Taylor	Biology	Douglas Wacker	Aggressive Interactions Between American Crows (<i>Corvus brachyrhynchos</i>) in a Pre-roost Aggregation	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #167
Lucy Chi	Computer Science & Software Engineering	William Erdly	Developing Tools for Identifying Preliminary Vision Deficiencies in Children	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 241 easel #163
Megan Christine Fridge	Biology	Keya Sen	Determining the Presence of Streptomycin Resistance Genes in <i>Escherichia coli</i> from Crow Feces and Water Runoff in the University of Washington Bothell Wetlands	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #175
Michael Groves	Environmental Science	Ursula Valdez	Relative Diversity of the Order Diptera in Amazonia Peru	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #76
Neele Thom	Biology	Massiel Stolla	Bioinformatic Analysis of Autophagy Proteins in the Hematopoietic Hierarchy	POSTER SESSION #3: 2:30PM - 4:00PM	Balcony easel #115
Nidhi Patel	Biology	Keya Sen	Multilocus Sequence Typing of <i>Campylobacter jejuni</i> Isolates from Crow of Two Different Geographical Regions	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #176
Noor Shahin	Community Psychology, Society, Ethics, & Human Behavior	Eric Stewart	The Effect of Gender Norms on the Acculturation of Arab American Young Adults	POSTER SESSION #2: 1:00PM - 2:30PM	Commons East easel #48
Omar Aguirre	Computer Science & Software Engineering	William Erdly	Developing Tools for Identifying Preliminary Vision Deficiencies in Children	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 241 easel #163
Pola Soliman	Biology	Yongdon Zhao & Chessie Snider	Using Patient Reported Outcome Measurements in Assessing Disease Activity of Chronic Non-bacterial Osteomyelitis	POSTER SESSION #3: 2:30PM - 4:00PM	Commons East easel #50
Rachel Christine Calder	Biology	Thelma Madzima	Identification of Abiotic Stress Responsive Genes in <i>Zea mays</i> (maize) Dependent on MOP1-mediated Epigenetic Regulation and the Plant Hormone ABA	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 241 easel #163
Sabira Saibire	Biology	Thelma Madzima	The Role of the RMR1 Protein in Phenotypic and Transcriptional Responses to Abscisic Acid	POSTER SESSION #2: 1:00PM - 2:30PM	Mary Gates Hall 241 easel #162
Sarah Okamoto	Pre-Major	William Erdly	Developing Tools for Identifying Preliminary Vision Deficiencies in Children	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 241 easel #163

Student	Major	Mentor	Project Title	Time	Location
Seleen Jaber	Pre-Major	Jeffrey Jensen	Variation of Gill Rakers Among the <i>Oncorhynchus nerka</i> Species	POSTER SESSION #1: 11:00AM - 1:00PM	Mary Gates Hall 206 easel #177
Shawn Ge	Business Admin	Deanna Kennedy	The Importance of Referent Power and Trust in Team Interactions	POSTER SESSION #1: 11:00AM - 1:00PM	Commons East easel #83
Vivian Zhang	Nursing	Hoa B. Appel	Geriatric Mental Health in Nursing-related Settings	POSTER SESSION #1: 11:00AM - 1:00PM	Commons West easel #9
William Nevin Appel	Global Studies	Martha Groom	Global Warming and Energy Conservation Knowledge in a University Population	POSTER SESSION #3: 2:30PM - 4:00PM	Commons East easel #75
Wynter Broussard	Physics	Paola Rodriguez Hidalgo	Searching for Trends in the Atmospheric Compositions of Extrasolar Planets	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #73
Yana Pavlovskiy	Biology	Kristina Hillesland	Can Microbes Fake Coevolution?	POSTER SESSION #4: 4:00PM - 6:00PM	Mary Gates Hall 206 easel #177
Yann Ka Shaw	Mechanical Engineering	Xiahua (Anny) Wei	Understanding the demand on WA I-405 HOV Lanes through Economics	POSTER SESSION #4: 4:00PM - 6:00PM	Commons East easel #82
Zhen Yang	Business Administration	Deanna Kennedy	The Importance of Referent Power and Trust in Team Interactions	POSTER SESSION #1: 11:00AM - 1:00PM	Commons East easel #83