

Fall 2018 Presentation Series: Advanced Scientific Research at Internship Updated 12/12/2018

Thursday 13-Dec

		<u>Title of Topic</u>
8:45am	Stephanie Yao	Using Magnetic Nanoparticle Regeneration to Treat Wastewater from Poultry Processing Plants
	Grant Sanders	Improving Team Performance Through Coaching Self-Assessments
	Daniel Zhou	Analysis of Phosphorus-Affinitive Magnetic Nanoparticles for use in Wastewater Treatment
10:15 am	Parth Desai	Comparing the effectiveness of patients learning exercises in physical therapy
	Alex Taylor	How Personal Trainers Effectively Sell Personal Training
	James Briley	Evaluating Importance of House Buying Factors and Impacts on the Housing Market
12 noon	Prathik Laveti	Implementing Gyroscopes in Bicycles to Improve Balancing Ability
	Heily Patel	Cash Flow Retirement Model Using Calculations for Projected Income and Distribution
	Ethan Schaag	Using 3D Printing to Create More Effective Automotive Pistons
1:45 pm	Andrew Kell	The Effects of Event Traffic Plans on Unrelated Traffic
	Micheal Musser	What are the most relevant aspects of a gym for attracting members?
	Jeff Norman	Using Wins Above Replacement to Evaluate New and Returning Hitters

Friday 14-Dec

		<u>Title of Topic</u>
8:45am	Anna Daughterty	Comparing Video Learning Engagement Strategies through Knowledge Retention of Sixth Grade Students
	Isabelle Chalker	Creating and Teaching a Lesson
	Audrey Atwell	The Effectiveness of Digital Learning
10:15 am	Vanessa Leonardo	Progression of Articulation Students in Speech Language Pathology
	Rucha Gharpure	Utilizing Machine Learning String Similarity Metrics for Entity Resolution
	Kendyl Edwards	Evaluating the Advantages and Disadvantages of Non-Negotiated Pleas
12 noon	Abby Fishman	Effectiveness of the LUCAS Device
	Sarang Desai	Comparing Prices of S&P 500 Consumer Discretionary Stocks with Twitter Sentiment
	Andrew Daw	Implementing Automatic Flight Control Systems through Simulink
1:45 pm	Raymond Jiang	Using Research and Development Spending to Justify the Valuation of Tesla
	Andrew Koo	Performance Effects of Separating 6th to 8th Grade Mathematics Students by Gender
	Dinko	
	Dermendzhiev	The Effects of Seasonal Marketing and Promotions on Gym Successfulness
	Segen Yacob	The Effects of Prescribed Medications on Hypertension Recovery

Monday 17-Dec

		<u>Title of Topic</u>
8:45am	Andrew Tran	Preventing Thermal Decomposition of a Chemical Washing Agent in High Heat Environments
	Ben Holmes	The Relationship Between History and Theatre: How It Affects Monetary Success
	Rahi Shah	The Relationship Between Ethnicity and Obesity in Pediatric Patients
10:15 am	Samira Hossain	The Effect on Various Surface Training on Gait Rehabilitation for Stroke Patients
	Chaitya Jain	The Relationship Between Depression and Movement
	Katherine Slade	The Color Preferences of the Eastern Box Turtle
12 noon	Sam Adkins	The Relationship between Anxiety and Disease in Pet Canines

	Grant Anderson	Designing a Hydraulic Handbrake Mount Using CAD
	Michelle Nader	Academic Performance in Spanish/English Bilingual Students Compared to Monolingual English Students
1:45 pm	Ayush Goyal	Identifying Player Actions in StarCraft II with Artificial Intelligence
	Nishant Patil	Reproducing the Bioinformatics Analysis and Data Visualization of a Research Paper
	Yifan Zhou	Using Branding and Content on Posts to Affect Instagram Engagement

Tuesday 18-Dec

Title of Topic

8:45am	Fianko Buckle	The Effects of Verbosity in Questions on Mastery in mLevel Missions
	Stephen Fuller	Adapting Gamification Processes for Retrieval-Based Learning
	Caden Felton	An Evaluation of the Effects of Gamification on Engagement in Corporate Training
10:15 am	Sarah Smith	Using Chemical and Land Use Data Over Time to Improve Stream Health
	Gareth Thompson	Using a Decision Matrix to Change Group Exercise Scheduling
	Marcos Padmanabhan	Writing and Designing a Blog on Logo Design and Brand Identity
12 noon	Yerim Cho	Using Python in data science to make book recommendation systems
	Stella Gainford	Benefits of using Airtable in the Audition Process of Professional Theatres
	Andrew Kehoe	Robot Adhesion in Navigating Gas Turbines
1:45 pm	Abhinav Piplani	Determining Interactions Between the Genes <i>cmd-1</i> and <i>ngn-1</i> in <i>C. elegans</i> .
	Ishan Chadha	Uranium Enrichment Optimization via Quantum Tunneling and Machine Learning
	Andrew Mayne	Data Presentation Using Business Intelligence Software
	Jade Rutledge	Effectiveness of Advertisement Campaigns on Facebook and Instagram Over Time

Wednesday 19-Dec

Title of Topic

8:45am	Abigail Ochal	Performance Optimization of Propeller Systems
	Keshav Shenoy	Implementing Capsule Neural Networks in Traffic Light Image Recognition
	Danielle Kisling	Predicting Aggression of dogs during based of feeding, territoriality, and fear
10:15 am	Shraddha Sekhar	An Investigation of Biphasic Flow Through a Helmholtz Resonator
	Maya Patel	How do Augmentative and Alternative Communication Devices affect Development
	Deepthi Kumar	Differences between hospital-acquired conditions obtained in the 50 states from 2012-2015
12 noon	Shayan Boghani	Standardizing Makerspace Training Methods Using Augmented Reality
	Adam Profili	Effect of brood on food distribution by <i>Solenopsis invicta</i> fire ant colonies
	Anjan Narayanaswamy	Implementing an Internet of Things Solution to Measure Accuracy of User Data
1:45 pm	Caroline Lanier	The Impact of Music Course Participation on STEM Academic Success
	Lauren Greenblatt	Group Versus Individual Success in a First Grade STEAM Design Project
	Elizabeth Wolfson	The Mindset of Top-Level Athletes Who Compete at the National Level
	Elijah Pritchett	Cognitive Decline with Age in Individuals with Autism Spectrum Disorder

Thursday 20-Dec

Title of Topic (Early Release 1 and 2)

8:45 AM	Megan Day	The Effects of Video Production Techniques on Men's and Women's Sports Broadcasts
	Arya Mevada	Effect of Hip Rotation and Front Leg Bracing on Injury Risk
	Mahsan Sadegh Aghdam	Evaluating Aggression, Fear, and Anxiety in Various Canine Breeds

Friday 21-Dec

8:45 AM Zach Yahn

David Weinberg

Hanna Waltz

Title of Topic (Early Release 3 and 4)

Creating an Artificial Dielectric By Manipulating 3D Printed Anisotropic Surfaces

β -Glucuronidase Enzyme Reaction Activity Optimization for the Hydrolysis of Codeine-6-Glucuronide

Platelets and Pathogenic Simian Immunodeficiency Virus in Sooty Mangabeys and Rhesus Macaques