Mentor Name	Session	Room	Internship Site	Student Name	Presentation Title
Dr. Julie Alexander	2	Shiley Hall Room 124	Oregon State University	Gabriel Giordono	Swimming With Spores
Mr. Danny Aley	4	Franz Hall Room 231	Saltire Software	Aneesh Gupta	Architectural Plan Feature Detection Using Region-Based Convolutional Neural Networks
Ms. Gabriela Alvarez	3	Franz Hall Room 214	Bonneville Power Administration	Sunil Klein	What I Did This Summer Working at BPA's Line Project Engineering
Dr. Jeff Anderson	1	Shiley Hall Room 319	Oregon State University	Angela Ortiz	Identifying Genetic Factors of Host Surface Attachment in P. syringae
Dr. Ehsan Aryafar	1	Franz Hall Room 210	Portland State University	Patrick Huang	An Airbnb for distributed computing resources
Dr. Meghna Babbar-Sebens	3	Shiley Hall Room 124	Oregon State University	Adrian Cerny	Creating a Board Game About the Umatilla Basin
Dr. Meghna Babbar-Sebens	3	Shiley Hall Room 124	Oregon State University	Todd-Fantao Meng	Creating a Board Game About the Umatilla Basin
Dr. Matt Bahm	1	Shiley Hall Room 124	Institute for Applied Ecology	Isabella Ayala	Comparing two vegetation monitoring methods for assessing a coastal prairie restoration
Dr. Jayprakash Bhatt	2	Shiley Hall Room 101	HP Inc.	Quentin Beers	Inkjet Chemistry: The Science Behind a Printed Page
Mr. Jeffrey Bingham	2	Franz Hall Room 231	HP Inc.	Leo Huang	Using 3D Modeling to Improve User Interactive Parts
Dr. Jonathan Bird	3	Shiley Hall Room 101	Portland State University	Molesi Lam-Tiang	Constructing Polymer Prototype Axial Magnetic Gearboxes using CAD
Dr. Jonathan Bird	3	Shiley Hall Room 101	Portland State University	Rachel Rodriguez	Designing and Prototyping a Magnetic Gearbox
Mr. James Brenner	1	Franz Hall Room 206	HP Inc.	DeLainey Phelps	Loss Function Testing of Powder Level Sensor for Expected Manufacturing Variation
Mr. Rob Brown	4	Shiley Hall Room 101	Rockwell Collins	Josh Gregory	Iron Man in Real Life: Optical Research for Heads-Up Displays in Aircraft
Mr. Andy Bryant	4	Shiley Hall Room 124	NOAA National Weather Service	Miles Epstein	The Statistical Connections Between Climate and Wildfires in Oregon
Dr. Nirupama Bulusu	1	Franz Hall Room 210	Portland State University	Elizabeth Romero-Herrera	Incentive Mechanism for Mobile Crowdsourcing
Dr. Margaret Burnett	2	Franz Hall Room 223	Oregon State University	Annel Amelia Leon	Alexa, why does it work?
Dr. Margaret Burnett	2	Franz Hall Room 223	Oregon State University	Kaitlyn Duthil	Gender and Computers: Finding Inclusivity Issues in Software
Dr. Margaret Burnett	2	Franz Hall Room 223	Oregon State University	Malika Gottfried	Gender and Computers: Finding Inclusivity Issues in Software
Dr. Jeff Chang	1	Shiley Hall Room 319	Oregon State University	Ella Rose	Bacterial Fight Club: Competition Between Agrobacteria
Mr. Andrew Christensen	1	Franz Hall Room 214	Bonneville Power Administration	Timothy Karn	Electrical Engineering and DNP3
Dr. Allison Coffin	1	Shiley Hall Room 301	Washington State University - Vancouver	Mika Munger	Probiotics and Larval Zebrafish Survival
Mr. Jeff Daley	4	Franz Hall Room 206	HP Inc.	Maria Ivchenko	Innovative applications for PWA-printing on textiles
Mr. Eduardo De La Fuente	2	Franz Hall Room 206	Intel	Jessica Yang	Evolving HPC Hardware to Reflect Real-World Applications
Mr. Eduardo De La Fuente	2	Franz Hall Room 206	Intel	Katie Lee	Software Drives The Future Data Center
Ms. Christine DeWitt	1	Franz Hall Room 206	HP Inc.	Rachel Kerr	Gen Z: Colors and Materials for the Modern World
Mr. Jerry Donovan	1	Franz Hall Room 214	Portland General Electric	Maxwell Siebersma	Developing a New Transmission Pole Inspection Program
Mr. Derrick Draper	1	Franz Hall Room 214	Black & Veatch	Robert Jiang	Substations at their Foundation
Mr. Brian Easton	3	Franz Hall Room 206	HP Inc.	Kristen Adamec	Printer Cartridge Mount Redesign
Mr. Delvin Edmond	4	Franz Hall Room 231	HP Inc.	Hadar Dolev	Scan/copy experience improvements
Mr. Josh Ence	4	Franz Hall Room 210	Vernier Software & Technology	Charisse Hung	Vernier Go Direct Sensors and Python
Dr. Martin Erwig	2	Franz Hall Room 223	Oregon State University	Kenneth Kang	Computing Without Coding: A Story About Algorithms
Dr. Wu-chi Feng	2	Franz Hall Room 210	Portland State University	Jessica Yu	Application Exploration: Navigating the World of Android App Development
Dr. Wu-chang Feng	2	Franz Hall Room 210	Portland State University	Logan Mentzer	All About Blockchain: Securing Transactions While Eliminating the Middleman

Dr. Wu-chi Feng	2	Franz Hall Room 210	Portland State University	Serena Trika	Application Exploration: Navigating the World of Android App Development
Ms. Valerie Fraser	1	Shiley Hall Room 319	Oregon State University	Chiraag Balu	Extracting the Scientific Secrets of Medicinal Plants
Mr. Brian Frost	4	Shiley Hall Room 101	Lightspeed Aviation	Henry O'Scannlain-Miller	Smart Headsets
Mrs. Jagadha Ganesan	3	Franz Hall Room 210	Digimarc	Angela Nguyen	Coding: From MySpace to the Real World
Mrs. Jagadha Ganesan	3	Franz Hall Room 210	Digimarc	Anousha Greiveldinger	Augmenting Reality One Barcode at a Time
Dr. Linda George	1	Shiley Hall Room 124	Portland State University	Isabella Espinoza	It's A Jungle Out There: The Effect of Portland's Urban Canopy on Air Quality
Dr. Linda George	1	Shiley Hall Room 124	Portland State University	Nayantara Arora	It's A Jungle Out There: The Effect of Portland's Urban Canopy on Air Quality
Mr. Paul Gibbons	2	Franz Hall Room 231	HP Inc.	Diego Guadarrama	Samsung KW research
Dr. Summer Gibbs	1	Shiley Hall Room 123	Oregon Health & Science University	Huy Nguyen	Fluorescently Labeled Lapatinib for Improved Assessment of Drug Effectiveness in HER2/EGFR Positive Cancer Cells
Dr. Summer Gibbs	1	Shiley Hall Room 123	Oregon Health & Science University	Sachin Pillai	Paired-agent Imaging enables Quantification of Intracellular Protein
Ms. Theresa Gibney	2	Shiley Hall Room 101	HP Inc.	Benjamin Canfield	Pen Presence Problem
Ms. Padma Giddu	4	Franz Hall Room 210	NWEA	Nancy Wu	Using NightWatch to Write Automated Test Cases
Dr. Stephen Good	2	Shiley Hall Room 124	Oregon State University	Alex Meek	Evaporation in the Deschutes and Willamette Water Basins
Dr. Kathleen Grant	3	Shiley Hall Room 301	Oregon National Primate Research Center (OHSU	Inchan Sung	Chronic Alcohol Administration and Spontaneous Activity in Non-Human Primates
Dr. Cindy Grimm	4	Shiley Hall Room 101	Oregon State University	Caitlin Blair	Robotic Grasping: Why the Robo-pocalypse Will Never Happen
Mr. Abbas Habibelahian	3	Franz Hall Room 231	Intel	Ethan Coleman	Data Mapping
Mr. Frederick Harris	1	Franz Hall Room 214	Portland General Electric	Justin Yang	Application of Power System and Computer Science Principles to Improve Engineering Efficiency Through System Modernization
Mr. Michael Henderson	4	Franz Hall Room 214	Bonneville Power Administration	Paul McDougald	Evaluating & Mitigating Credit Risk
Ms. Ashley Hoch	3	Franz Hall Room 206	Yakima Products Inc.	Claire LeBlanc	Discovering engineering through tents, racks and more at Yakima Products
Mr. Greg Hockert	4	Franz Hall Room 206	Multnomah County Facilities & Property Manage	Trevor Herzog	The Art of Architecture
Sr. Angela Hoffman	2	Shiley Hall Room 319	University of Portland	Emily Boyce	Possible Antibiotics Sources from Ancient Bacteria
Sr. Angela Hoffman	2	Shiley Hall Room 319	University of Portland	Traveon Johnson	Bio Chemistry research on Actinomycetes
Mr. Roger Hurwitz	3	Franz Hall Room 231	Intel	Elizabeth Markgraf	Sprinting through Process Improvement at Intel
Mr. Roger Hurwitz	3	Franz Hall Room 231	Intel	Emma Brendle	Process Improvement...It's a Process
Dr. Jun Jiao	3	Shiley Hall Room 123	Portland State University	Caleb Kono	Through Thick and Thin: Synthesizing Graphene Monolayers
Dr. Jun Jiao	3	Shiley Hall Room 123	Portland State University	Elaine Yang	Effect of Synthesis Time on Formation of Fe3O4 Nanoparticles Using the Solvothermal Process
Dr. Iain Johnson	2	Franz Hall Room 206	Lumencor, Inc.	Elizabeth Brands	Making Marketing Videos at Lumencor
Ms. Andrea Kelsey	1	Shiley Hall Room 124	Bureau of Land Management	Rianna Bowers	Growing Knowledge of Trees
Dr. Jovana Kovacevic	2	Shiley Hall Room 123	Food Innovation Center (OSU)	Martin Nguyen	Does Produce Dirt Affect Sanitizer Effectiveness Against Listeria?
Dr. Jovana Kovacevic	2	Shiley Hall Room 123	Food Innovation Center (OSU)	Selora "Jj" Stull	Salmonella and Listeria spp. in Pacific Northwest produce processing facilities
Dr. Melinda Krahenbuhl	4	Shiley Hall Room 123	Reed College	Rachel Niedert	Neutron Flux and the Activity of Irradiated Silver Samples
Dr. Melinda Krahenbuhl	4	Shiley Hall Room 123	Reed College	Riya Sivakumar	Cute Dogs and Ion Chambers: My Nuclear Summer at the Reed Research Reactor

Mr. Kevin Kuramura	1	Franz Hall Room 206	HP Inc.	Junha Lee	Designing a Springboard Package for Onboard Mechanical Engineers
Mrs. Christine Lindner	2	Franz Hall Room 214	Bonneville Power Administration	Audrey Chang	Programs of Design
Mrs. Christine Lindner	2	Franz Hall Room 214	Bonneville Power Administration	Grant Hobbs	Presentation Magic: Using Graphic Design in the Workspace
Dr. Qingyue Ling	2	Shiley Hall Room 123	Food Innovation Center (OSU)	Carmen Vintro	Laser Perforation of Blueberries in Freeze Drying to Improve Quality and Drying Efficiency
Ms. Melissa Lum	1	Franz Hall Room 223	Nike, Inc.	Elora Ghosh	Opacity Test Method Development for Apparel Materials
Ms. Melissa Lum	1	Franz Hall Room 223	Nike, Inc.	Kellen Rice	Opacity Test Method Development for Apparel Materials
Mr. Gary Lutnesky	3	Franz Hall Room 206	HP Inc.	Emmalina Motes	Venturi Optimization
Dr. Marilyn Mackiewicz	2	Shiley Hall Room 123	Portland State University	Citlali Nieves Lira	Embedding Silver Nanoparticles in Fabrics
Ms. Dany Madden	3	Franz Hall Room 210	IBM	Ayush Dewan	Data Analytics at IBM
Ms. Dany Madden	3	Franz Hall Room 210	IBM	Connor Shu	Data Analytics at IBM
Dr. Stephanie Majewski	4	Shiley Hall Room 123	University of Oregon	Shanti Morrell	Improving and Validating Data Collection Algorithms for the ATLAS Global Trigger System at the High-Luminosity Large Hadron Collider
Mr. Nate Martin	1	Franz Hall Room 206	HP Inc.	Lily Shiuan	Vulcan Part Modification Tracking/PR Build Support
Mr. Christopher Martin	4	Franz Hall Room 223	HP Inc.	Yanway Lai	Extracting utility in wireless firmware for use in data collection program
Mr. Patrick McKinney	3	Franz Hall Room 206	Yakima Products Inc.	Hannah Fisher	Clamps, Racks, and More - Engineering at Yakima Products, Inc.
Dr. Claudio Mello	1	Shiley Hall Room 301	Oregon Health & Science University	Arleen Bahl	Using Zebra Finches to Study Song Variability: Banding, Recording, and Analyzing Bird Song
Dr. Charles Meshul	3	Shiley Hall Room 319	Portland VA Medical Center	Theresa D'Silva	JED-135: A Potential Treatment for Parkinson's?
Dr. Pamela Metten	4	Shiley Hall Room 319	Portland VA Medical Center	Alexandra Shimanovsky	Dose Dependency of Conditioned Taste Aversion in Alcohol Binge Drinking Mice
Dr. Pamela Metten	4	Shiley Hall Room 319	Portland VA Medical Center	Elise Hebert	Dose Dependency of Controlled Taste Analysis in Alcohol Binge Drinking Mice
Mr. Sharad Mishra	1	Franz Hall Room 231	Intel	Anisha Kumar	Contributing to Next Generation Open Source Mobile Infrastructure
Mr. Sharad Mishra	1	Franz Hall Room 231	Intel	Ethan Hampton	Contributing to Next Generation Open Source Mobile Infrastructure
Dr. Suzanne Mitchell	3	Shiley Hall Room 319	Oregon Health & Science University	Isabella Meyn	Comparison of withdrawal sensitivity in air and ethanol exposed mice
Dr. Suzanne Mitchell	3	Shiley Hall Room 319	Oregon Health & Science University	Yoonseo Song	Comparison of Measures of Probability Discounting Tasks
Dr. Ganti Murthy	3	Shiley Hall Room 124	Oregon State University	Venkata Sagili	Biofuels: How They Work, and How They Are Getting Better
Dr. Lech Muszynski	3	Shiley Hall Room 123	Oregon State University	Adrian Yother	Cross Laminated Timber
Dr. Lech Muszynski	3	Shiley Hall Room 123	Oregon State University	Iris Fu	A Summer With Cross Laminated Timber
Dr. Hiroyuki Nakai	1	Shiley Hall Room 123	Oregon Health & Science University	Ebunoluwa Morakinyo	The Disappearing Act: the Mystery Behind the Capsid Formation of Adeno-Associated Viruses, a Gene Therapy Vector
Dr. Hiroyuki Nakai	1	Shiley Hall Room 123	Oregon Health & Science University	Nicole Nugent	Deciphering a Puzzle of Overlapping Protein Coding Sequences: A Deeper Understanding of a Virus used for Human Gene Therapy
Dr. Arun Natarajan	3	Franz Hall Room 231	Oregon State University	Pranav Kolluri	Wifi Power Source Design for RF-Powered Sensors
Mr. Huy Nguyen	2	Franz Hall Room 231	HP Inc.	Elyn Ye	Development of ASIC: Timing Analysis

Advisor		Room	Sponsor	Student	Title
Dr. Angela Ozburn	4	Shiley Hall Room 319	Portland VA Medical Center	Meher Chand	Operant self-administration of alcohol in mice selectively bred to drink to intoxication
Dr. Angela Ozburn	4	Shiley Hall Room 319	Portland VA Medical Center	Miracle Uzoekwe	Operant self-administration of alcohol in mice selectively bred to drink to intoxication
Mr. Gabriel Paez	4	Franz Hall Room 231	WILD	Xavier Santiago	The Future of XR
Mr. Uttam Pawar	1	Franz Hall Room 231	Intel	Malini Ganguly	Providing a comprehensive analysis of CPU function data using Python
Mr. Uttam Pawar	1	Franz Hall Room 231	Intel	Nicole Yarbrough	Analyzing and Organization of Excel Datasheets Through Python
Mr. Gunar Penikis	4	Franz Hall Room 231	HP Inc.	Donitaa Julius	Display Live Use and Health Statistics of Novel Features of HP Connected Webpages
Dr. Carmem Pfeifer	1	Shiley Hall Room 101	Oregon Health & Science University	Rajan Thanik	Biofilm Reduction in Dental Materials: Influence of the Oligomeric Additive
Dr. Carmem Pfeifer	1	Shiley Hall Room 101	Oregon Health & Science University	Yukiko Gaudreault	Using Dynamic Mechanical Analysis (DMA) to find resin composites with optimal mechanical properties for tooth repair
Dr. Tamara Phillips	3	Shiley Hall Room 319	Portland VA Medical Center	David Madison	In Search of Drugs to Help Treat Methamphetamine Addiction
Ms. Deanna Phillips	2	Franz Hall Room 214	Bonneville Power Administration	Nick Khormaei	BPA Complience with NERC Standards
Ms. Jennifer Polivka	1	Franz Hall Room 223	Nike, Inc.	Kareem Taha	Benchmark Testing Basketball and Young Adult Soccer Shoes
Ms. Jennifer Polivka	1	Franz Hall Room 223	Nike, Inc.	Melissa Tran	Benchmark Testing Basketball and Young Adult Soccer Shoes
Mr. Daniel Quarto	3	Shiley Hall Room 101	HP Inc.	Margaret Tolmacheva	Trust the Process
Dr. Jacob Raber	2	Shiley Hall Room 301	Oregon Health & Science University	Emma Peterson	A Deeper Look into Parkinson's Disease and a New Treatment Using a Mouse Model
Dr. Jacob Raber	2	Shiley Hall Room 301	Oregon Health & Science University	Sydney Nagy	Cognitive Injury in Mice on a High Fat Diet: Development of a Novel Treatment
Dr. Stephen Ramsey	3	Shiley Hall Room 301	Oregon State University	Sahana Shah	It's not Dogma: A Journey into Gene Expression Profiling of canine osteosarcoma and tumor-associated bone marrow
Dr. Dora Raymaker	1	Shiley Hall Room 301	Portland State University	Nikita Gautham	Analyzing the AASPIRE Healthcare Toolkit with Stata: Providing a Better Healthcare Experience for Autistic Individuals
Mr. Tait Regnier	4	Franz Hall Room 206	HP Inc.	Sarah Lee	The Investigation and Development of a 3D Multi-Jet Fusion Plastic Part
Mr. Steve Reinhart	4	Franz Hall Room 223	HP Inc.	Julie Kim	Cap & Uncap Recovery Performance for Mordor Ink (Secondary Project: Modification of Gen 3 Cap Storage Fixture Housing)
Dr. Skip Rochefort	1	Shiley Hall Room 101	Oregon State University	Martha Brasted-Maki	Let it Flow: Design of a Sustainable Feminine Pad
Dr. Skip Rochefort	1	Shiley Hall Room 101	Oregon State University	Zoey Mikalatos	Material Characterization of Thermoplastic Polyurthanes for 3D Printing
Dr. Martin Schuster	2	Shiley Hall Room 124	Oregon State University	Christopher Vega Deleon	Competition and Cooperation in Pseudomonas Aeruginosa
Dr. Burak Sencer	3	Shiley Hall Room 124	Oregon State University	Aidan Heller	Generating Motion Profiles Given Physical Limitations
Dr. Bethany Sloane	1	Shiley Hall Room 301	Doernbecher Children's Hospital (OHSU)	Anastasiya Kozlovska	OHSU: Setting the Impossible into Motion
Dr. Joshua Smith	2	Shiley Hall Room 101	HP Inc.	Annel Andrea Leon	Comparing the Silicon Etch Rate of Various Fluids
Dr. Fang Song	1	Franz Hall Room 210	Portland State University	Marshal Xu	The Ultimate Search Algorithm: The Grover Iteration in Quantum Computers

Dr. Fang Song	1	Franz Hall Room 210	Portland State University	Sydney Von Arx	Knot Theory With a Twist: Quantum Calculations of Knot Invariants
Dr. Eliot Spindel	3	Shiley Hall Room 301	Oregon National Primate Research Center (OHSU)	Prakrunya Subhasree Badrinarayan	Effects of Genetic Variation on Smoking Behavior during Pregnancy
Dr. Kenneth Stedman	1	Shiley Hall Room 319	Portland State University	Alyssa Pratt	Gotta Catch 'Em All: Collection and Analysis of Novel Virus Sequences
Mr. Daniel Stirn	4	Franz Hall Room 223	HP Inc.	Raghav Bhatt	Creating a human metric and improving Decap Algorithm
Dr. Stefan Talke	4	Shiley Hall Room 124	Portland State University	Ben Chiu	Digitizing Historic Tidal Data with Computer Vision
Dr. Stefan Talke	4	Shiley Hall Room 124	Portland State University	Ian Eykamp	Making Data: Tide Gauges from the 19th Century to the Future
Dr. Stefan Talke	4	Shiley Hall Room 124	Portland State University	Piper Wyrick	Piecing Together the Historic Puzzle of Tides
Mr. Darrell Teegarden	3	Franz Hall Room 223	Mentor, a Siemens Business	Micah Toll	SystemVision robotics simulator for FRC students
Dr. Christof Teuscher	3	Franz Hall Room 223	Portland State University	Kaitlyn Laurie	Implementing Reinforcement Learning with Python
Mr. Jason Tewksbury	4	Franz Hall Room 206	SSOE	Abukar Mohamed	An Introduction into the Architecture and Engineering Design Industry
Mr. Carlo Tiana	4	Shiley Hall Room 101	Rockwell Collins	Kristen Stilin	Eyes in the Sky
Dr. Paul Tratnyek	2	Shiley Hall Room 319	Oregon Health & Science University	Angela Xie	Conducting Microcosm Experiments on Transformation Products of Explosives
Dr. Paul Tratnyek	2	Shiley Hall Room 319	Oregon Health & Science University	Zoe Luderman	The Reactivity of Magnetite: Exploring biosynthesis
Dr. Stephen Tufte	4	Shiley Hall Room 123	Lewis & Clark College	Linda Hu	Acoustics of the Mandolin
Mr. Don Valentine	4	Franz Hall Room 214	Bonneville Power Administration	Ethan Vo	How to excel at IT Project Management
Mr. Don Valentine	4	Franz Hall Room 214	Bonneville Power Administration	Monica Vargas-Renteria	It's Not Just About Power!
Mr. Don Valentine	4	Franz Hall Room 214	Bonneville Power Administration	Tanis Nielsen	Cubicle Life At BPA: A Brief Introduction To Project Management
Ms. Tracy Villarreal	3	Shiley Hall Room 301	Care Partners	Edwin Lee	Life Beyond Death
Mr. Matthew Weaver	3	Franz Hall Room 214	Bonneville Power Administration	Daniel Cappalonga	Lattice towers structures
Mr. Robert Wickwire	4	Franz Hall Room 223	HP Inc.	Miguel Gonzalez	Capillary Media Saturation Measurement: Tools & Methods and Optimization of Measurement Apparatus For Signal to Noise Ratio
Ms. Gloria Wilson	3	Shiley Hall Room 101	HP Inc.	Colin Urban	Ins and Outs of the HP Model Shop
Mr. Brad Wright	3	Franz Hall Room 214	Bonneville Power Administration	Alejandro Can Vazquez	Reaching Net Zero: Analyzing the Energy Performance og Commercial Use Building and Predicting Future Energy Efficiency.
Mr. Brad Wright	3	Franz Hall Room 214	Bonneville Power Administration	Amanda Tracy	Reaching Net Zero: Analyzing the Energy Design Performance of a Commercial Use Building and Predicting Future Energy Efficiency
Dr. Charles Wright	2	Franz Hall Room 210	Portland State University	Evan Mrazik	Secure Retrieval of Encrypted Documents in Databases
Dr. Dasa Zeithamova-Demircan	2	Shiley Hall Room 301	University of Oregon	William Hou	Effects Of Physical Similarity On Memory Generalization
Dr. Eugene Zhang	4	Franz Hall Room 210	Oregon State University	Cymon Dillon	Multidimensional, Interactive Graph Visualization
Dr. Eugene Zhang	3	Franz Hall Room 223	Oregon State University	Elliot Foley	Numerical Mathematical Methods and their Applications
Dr. Eugene Zhang	3	Franz Hall Room 223	Oregon State University	Raymond Liu	Physically Based Rendering