

# University of Florida Gator Computing Program, Daily Schedule

<b>Monday, June 4</b>	<p><b>Check-in at Classroom   Classroom (UFII E251)</b>  <b>Welcome and Orientation   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Mr. Elias G. Eldayrie - Vice President and Chief Information Officer, UF</li> <li>- Dr. Erik Deumens - Director, UFIT Research Computing</li> </ul> <p><b>Daily Overview, Logistics, Rules, &amp; Ice Breakers   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Julia Aiello and Prathyusha Patta, Teaching Assistants</li> </ul> <p><b>Computer Access and User Setup, Computer Lab (CSE E231)</b>  <b>Lunch: Domino's Pizza</b></p> <p><b>Would You Jump? ... on the Uncertainty of Living and How Computers Can Help! Computer Lab (CSE E231)</b></p> <ul style="list-style-type: none"> <li>- Dr. Rafael Munoz-Carpena, Professor, Department of Agricultural &amp; Biological Engineering</li> </ul> <p><b>How Complex Biosystems Engineering Uses Computational Approaches in Difficult Environmental Problems   Classroom</b></p> <ul style="list-style-type: none"> <li>- Dr. Rafael Munoz-Carpena, Professor, Department of Agricultural &amp; Biological Engineering</li> <li>- Dr. Gregory Kiker, Associate Professor, Department of Agricultural &amp; Biological Engineering</li> </ul>
<b>Tuesday, June 5</b>	<p><b>Check-in and Daily Overview   Classroom (UFII E251)</b>  <b>Biodiversity and the Tree of Life   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Dr. Doug Soltis, Distinguished Professor, Department of Biology</li> </ul> <p><b>Computational English   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Dr. Sid Dobrin, Professor, Department of English</li> </ul> <p><b>Python Programming Class   Computer Lab (CSE E231)</b>  <b>Lunch: Fresh Food Co.</b></p> <p><b>Augmented Reality   Marston Science Library (L136)</b></p> <ul style="list-style-type: none"> <li>- Shannon Butts, PhD Student, Department of English, TRACE</li> </ul> <p><b>Interactive Design Using Arduino   Computer Lab (CSE E231)</b></p> <ul style="list-style-type: none"> <li>- Emily Brooks, PhD Student, Department of English, TRACE</li> </ul>
<b>Wednesday, June 6</b>	<p><b>Check-in and Daily Overview   Classroom (UFII E251)</b>  <b>Machine Learning Applications in Acute Pain: Hubris and Humility   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Dr. Patrick Tighe, Associate Professor, Department of Anesthesiology</li> </ul> <p><b>Genomic Studies of Infectious Diseases in the Era of "Big Data"   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Dr. Marco Salemi, Professor, Department of Pathology, Immunology, and Laboratory Medicine</li> </ul> <p><b>Python Programming Class   Computer Lab (CSE E231)</b>  <b>Lunch: Fresh Food Co.</b></p> <p><b>3D Printing Site Visit   Marston Library</b></p> <ul style="list-style-type: none"> <li>- Dr. Sara Gonzalez, Assistant University Librarian</li> </ul> <p><b>Digital Worlds Institute Site Visit   Norman Gym</b></p> <ul style="list-style-type: none"> <li>- Dr. James Oliverio, Executive Director, Digital Worlds Institute</li> </ul>
<b>Thursday, June 7</b>	<p><b>Check-in and Daily Overview   Classroom (UFII E251)</b>  <b>Hospital 2.0 – Augmenting Experience for Everybody in the Loop   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Dr. Azra Bihorac, R. Glenn Davis Professor, Department of Medicine</li> </ul> <p><b>Network Based Approaches for Measuring Connectivity in the Financial Sector   Classroom (UFII E251)</b></p> <ul style="list-style-type: none"> <li>- Dr. George Michailidis, Founding Director of UF Informatics Institute and Professor of Statistics</li> </ul> <p><b>Python Programming Class   Computer Lab (CSE E231)</b>  <b>Lunch: Panda Express</b></p> <p><b>Emerging Pathogens Institute Site Visit</b></p> <ul style="list-style-type: none"> <li>- Dr. Marco Salemi, Professor, Department of Pathology, Immunology, and Laboratory Medicine</li> </ul> <p><b>Interdisciplinary Center for Biotechnology Research Site Visit</b></p> <ul style="list-style-type: none"> <li>- Dr. Steve Madore, Associate Director for Science, ICBR</li> <li>- Dr. Yanping Zhang, Scientific Director for Gene Expression &amp; Genotyping, ICBR</li> </ul> <p><b>Human-Experience Research Lab Site Visit</b></p> <ul style="list-style-type: none"> <li>- Dr. Juan Gilbert – The Banks Preeminence Professor and Chair, Department of Computer &amp; Information Science &amp; Engineering</li> </ul>
<b>Friday, June 8</b>  <i>Wear your GCP shirt today!</i>	<p><b>Check-in and Daily Overview   Classroom (UFII E251)</b>  <b>Computer Aided 3D Animation   Classroom (UFII E251)</b>  <b>3D Animation with Blender   Computer Lab (CSE E231)</b></p> <ul style="list-style-type: none"> <li>- Dr. Rong Zhang, Lecturer, Department of Computer &amp; Information Science &amp; Engineering</li> </ul> <p><b>Lunch: Einstein Bros. Box Lunches</b></p> <p><b>Powell Lab and Boundary Layer Wind Tunnel Site Visit, UF East Campus</b></p> <ul style="list-style-type: none"> <li>- Scott Powell, Lab Manager, Powell Family Structures &amp; Materials Lab, Engineering School of Sustainable Infrastructure &amp; Environment</li> </ul> <p><b>UF Data Center and HiPerGator Site Visit, UF East Campus</b></p> <ul style="list-style-type: none"> <li>- John Toner, Manager, Data Center Infrastructure &amp; Engineering</li> </ul>



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<p><b>Monday, June 11</b></p>	<p>Check-in and Daily Overview   Classroom (UFII E251)                  See the World through the HiPerGator Supercomputer   Classroom (UFII E251)                  - Dr. Xiaoyu Song, Assistant Professor, Engineering School of Sustainable Infrastructure &amp; Environment                  Gator Motorsports, Mechanical Engineering Building C (MAE-C 133-134)                  - Isalah Hendrick, Undergraduate Student, Mechanical Engineering                  - Meghan Black, Undergraduate Student, Materials Science and Engineering                  Lunch: The Hub &amp; Turlington                  Python Programming Class   Computer Lab (CSE E231)                  Work on Group Projects, Computer Lab (CSE E231)</p>
<p><b>Tuesday, June 12</b></p>	<p>Check-in and Daily Overview   Classroom (UFII E251)                  How Computers and Algorithms Help Discover and Design New Materials Classroom (UFII E251)                  - Dr. Richard Henning, Professor, Department of Materials Science and Engineering                  How to Form the Brightest Galaxies in the Universe   Classroom (UFII E251)                  - Dr. Desika Narayanan, Assistant Professor, Department of Astronomy                  Lunch: Gator Corner Dining                  Transportation Lab   Weil 507                  - Dr. Scott Washburn, Professor, Department of Civil and Coastal Engineering                  Work on Group Projects   Computer Lab (CSE E231)</p>
<p><b>Wednesday, June 13</b></p>	<p>Check-in and Daily Overview   Classroom (UFII E251)                  Work on Group Projects   Computer Lab (CSE E231)                  Lunch: Domino's Pizza                  Reitz Union Game Room                  - Bowling, Billiard's, Table Tennis, and Foosball                  Work on Group Projects   Computer Lab (CSE E231)</p>
<p><b>Thursday, June 14</b></p>	<p>Check-in and Daily Overview   Classroom (UFII E251)                  Work on Group Projects, Computer Lab (CSE E231)                  Lunch: The Hub &amp; Turlington                  Work on Group Projects, Computer Lab (CSE E231)</p>
<p><b>Friday, June 15</b></p>	<p>Check-in and Daily Overview   Classroom (UFII E251)                  Project Presentation Preparation   Computer Lab (CSE E231)                  Project Presentation Preparation and Set-up   New Physics Building (NPB 2205)                  Lunch – McAlister's Club Sandwiches                  Gator Computing Program Symposium and Reception for Invited Guests, New Physics Building (NPB 2205)                  - Relatives and teachers invited, 1:00-4:00pm                  Program Conclusion   New Physics Building (NPB 2205)</p>





# 2018 GATOR COMPUTING PROGRAM *Symposium*

June 15, 2018

1:00 p.m. – 4:30 p.m.

New Physics Building, Room 2205

## AGENDA

### Opening Remarks

Dr. Erik Deumens

*Director of UFIT Research Computing*

### Staff Recognition

Ying Zhang, *UFIT Research Computing*

### Project Overview

Dr. Matt Gitzendanner, Dr. Oleksandr Moskalenko, & Ying Zhang

*UFIT Research Computing*

### Project Presentation

*Sweet Dough Co. (Blender)*

Emily Kang, Lily Guo

*RAZ – Voice Control Lighting (Raspberry Pi)*

Anya AitSahlia, Charlie DePlato, Jacob Sedesse

*iPhone Concept (Blender)*

Matias Mena, Pujan Patel

*India Jonas and the Ransackers of the*

*Misplaced Ship (Arduino)*

Tyler Smyth, Earl Faraon

*Fiji Water (Blender)*

Timmy Li, Michael Fahn, Jeffrey Xue

*Exploration of Emergency Responses vs. Electrical  
Consumption in Gainesville (Big Data Analytics)*

Vinay Arun, Michael Wu

*Musical Arduino (Arduino)*

Tamani Dexter, A'Marria Mills

*The Pac-Man Project (Blender)*

Madeline Eller, Jayden Ray

*The P.R.O.J.E.C.T. (Arduino)*

Adam Livay, Luke Shiomitsu

### Closing Remarks & Presentation of Program Certificates

Dr. Erik Deumens, *Director of UFIT Research Computing*

Jesse Wilson, *UF Center for Precollegiate Education and Training (UF CPET)*

