

# Wolfram Summer School

Jalil Villalobos Alva

## Sunday, June 23, 2019

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12:00 PM

**Check In**

Rhodes Hall

Jun 23, 12:00 PM- 6:00 PM

6:00 PM

**Pizza Party**

Jun 23, 6:00 PM- 8:00 PM

8:00 PM

**Free Time for Students - Orientation for Staff**

Jun 23, 8:00 PM-10:00 PM

## Monday, June 24, 2019

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7:00 AM

**Breakfast**

Student Center

Jun 24, 7:00 AM- 9:00 AM

9:00 AM

**Introduction to WSS '19**

Vitaliy Kaurov

LaCava 325

Jun 24, 9:00 AM-10:00 AM

11:00 AM

**Congress Prep with Stephen Wolfram**

LaCava 325

Jun 24, 11:00 AM- 1:00 PM

1:00 PM

**Lunch**

Student Center

Jun 24, 1:00 PM- 2:00 PM

2:00 PM

**Meet with mentors**

LaCava 325

Jun 24, 2:00 PM- 3:30 PM

4:00 PM

**Tools Overview Workshop**

Vitaliy Kaurov

LaCava 325

Jun 24, 4:00 PM- 5:00 PM

5:00 PM

**Dinner**

Student Center

Jun 24, 5:00 PM- 6:00 PM

6:30 PM

**Past WSS Lectures**

Vitaliy Kaurov, Kyle Keane, Jofre Espigule Pons, Riccardo Di Virgilio, and Etienne Bernard

LaCava 325

Jun 24, 6:30 PM- 8:00 PM

## **Tuesday, June 25, 2019**

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7:00 AM

**Breakfast**

Student Center

Jun 25, 7:00 AM- 9:00 AM

9:00 AM

**GitHub for Your Project**

Riccardo Di Virgilio

LaCava 325

Jun 25, 9:00 AM-10:00 AM

10:00 AM

**The Art of Project Development**

Riccardo Di Virgilio

LaCava 325

Jun 25, 10:00 AM-11:00 AM

11:00 AM

**Notebook Programming Environment**

Paul Abbott, PhD

LaCava 325

Jun 25, 11:00 AM-11:30 AM

11:30 AM

**Wolfram Language Documentation**

Paul Abbott, PhD

LaCava 325

Jun 25, 11:30 AM-12:00 PM

12:00 PM

**Lunch**

Student Center

Jun 25, 12:00 PM- 1:00 PM

1:00 PM

**WL: Principles and Concepts**

Robert Nachbar

LaCava 325

Jun 25, 1:00 PM- 2:00 PM

2:00 PM

**WL: Training I (General)**

Robert Nachbar

LaCava 315

Jun 25, 2:00 PM- 4:00 PM

**WL: Training I (Programmers)**

Timothee Verdier

LaCava 325

Jun 25, 2:00 PM- 4:00 PM

5:00 PM

**Dinner**

Student Center

Jun 25, 5:00 PM- 6:00 PM

6:00 PM

**Free Time/Project Time**

Jun 25, 6:00 PM-10:00 PM

## **Wednesday, June 26, 2019**

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7:00 AM

**Breakfast**

Student Center

Jun 26, 7:00 AM- 9:00 AM

9:00 AM

**Graphs, Plots, and Visualization**

Paul Abbott, PhD

LaCava 325

Jun 26, 9:00 AM-10:00 AM

10:00 AM

**Structured Objects**

Dariia Porechna

LaCava 325

Jun 26, 10:00 AM-11:00 AM

11:00 AM

**Dynamic Interactivity and Interfaces**

Kyle Keane

LaCava 325

Jun 26, 11:00 AM-12:00 PM

12:00 PM

**Lunch**

Student Center

Jun 26, 12:00 PM- 1:00 PM

1:00 PM

**WL: Training II (General)**

Tuseeta Banerjee

LaCava 315

Jun 26, 1:00 PM- 4:00 PM

**WL: Training II (Programmers)**

Dariia Porechna

LaCava 325

Jun 26, 1:00 PM- 4:00 PM

5:00 PM

**Dinner**

Student Center

Jun 26, 5:00 PM- 6:00 PM

6:00 PM

**Free Time/Project Time**

Jun 26, 6:00 PM-10:00 PM

## **Thursday, June 27, 2019**

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7:00 AM

**Breakfast**

Student Center

Jun 27, 7:00 AM- 9:00 AM

9:00 AM

**Built-in Knowledge**

Jofre Espigule Pons

LaCava 325

Jun 27, 9:00 AM-10:00 AM

10:00 AM

**Create and Interact with Web Applications**

Riccardo Di Virgilio

LaCava 325

Jun 27, 10:00 AM-11:00 AM

11:00 AM

**Image Processing**

Giulio Alessandrini

LaCava 325

Jun 27, 11:00 AM-12:00 PM

12:00 PM

**Lunch**

Student Center

Jun 27, 12:00 PM- 1:00 PM

2:00 PM

**WL: Training III (General)**

Giulio Alessandrini

LaCava 315

Jun 27, 2:00 PM- 4:00 PM

**WL: Training III (Programmers)**

Robert Nachbar

LaCava 325

Jun 27, 2:00 PM- 4:00 PM

5:00 PM

**Dinner**

Student Center

Jun 27, 5:00 PM- 6:00 PM

6:00 PM

**Free Time/Project Time**

Jun 27, 6:00 PM-10:00 PM

## **Friday, June 28, 2019**

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7:00 AM

**Breakfast**

Student Center

Jun 28, 7:00 AM- 9:00 AM

9:00 AM

**Text Analysis**

Timothee Verdier

LaCava 325

Jun 28, 9:00 AM-10:00 AM

10:00 AM

**Machine Learning I**

Etienne Bernard

LaCava 325

Jun 28, 10:00 AM-11:00 AM

11:00 AM

**NKS**

Matthew Szudzik

LaCava 325

Jun 28, 11:00 AM-12:00 PM

12:00 PM

**Lunch**

Student Center

Jun 28, 12:00 PM- 1:00 PM

1:00 PM

**Teaching with the Wolfram Language**

Paul Abbott, PhD

LaCava 325

Jun 28, 1:00 PM- 2:00 PM

2:00 PM

**Quantity and Date Frameworks, Units**

Jofre Espigule Pons

LaCava 325

Jun 28, 2:00 PM- 3:00 PM

3:00 PM

**Digital Humanities**

Christopher Wolfram

LaCava 325

Jun 28, 3:00 PM- 4:00 PM

5:00 PM

**Dinner**

Student Center

Jun 28, 5:00 PM- 6:00 PM

7:00 PM

**LiveCoding Event**

Jun 28, 7:00 PM- 9:00 PM

## **Saturday, June 29, 2019**

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7:00 AM

**Breakfast**

Student Center

Jun 29, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center

Jun 29, 12:00 PM- 1:00 PM

5:00 PM

**Dinner**

Student Center

Jun 29, 5:00 PM- 6:00 PM

6:00 PM

**Stephen Wolfram Event**

Jun 29, 6:00 PM- 7:30 PM

7:30 PM

**Stephen Wolfram Event**

Jun 29, 7:30 PM-10:00 PM

## **Sunday, June 30, 2019**

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7:00 AM

**Breakfast**

Student Center

Jun 30, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center  
Jun 30, 12:00 PM- 1:00 PM

1:00 PM

**How To Do Computational Journals (LiveStream)**

Jun 30, 1:00 PM- 2:30 PM

2:30 PM

**Stephen Wolfram Event**

Jun 30, 2:30 PM- 4:30 PM

5:00 PM

**Dinner**

Student Center  
Jun 30, 5:00 PM- 6:00 PM

## **Monday, July 01, 2019**

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7:00 AM

**Breakfast**

Student Center  
Jul 01, 7:00 AM- 9:00 AM

9:00 AM

**Graphs & Networks**

Jonathan Gorard  
LaCava 325  
Jul 01, 9:00 AM-10:00 AM

10:00 AM

**Machine Learning II**

Etienne Bernard  
LaCava 325  
Jul 01, 10:00 AM-11:00 AM

11:00 AM

**Neural Networks I: Introduction**

Tuseeta Banerjee  
LaCava 325  
Jul 01, 11:00 AM-12:00 PM

12:00 PM



**Lunch**

Student Center  
Jul 01, 12:00 PM- 1:00 PM

1:00 PM

**Need for Speed**

Giulio Alessandrini  
LaCava 325  
Jul 01, 1:00 PM- 2:00 PM

5:00 PM

**Dinner**

Student Center  
Jul 01, 5:00 PM- 6:00 PM

6:00 PM

**Free Time/Project Time**

Jul 01, 6:00 PM-10:00 PM

**Stephen Wolfram Event**

Jul 01, 6:00 PM-10:00 PM

## **Tuesday, July 02, 2019**

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7:00 AM

**Breakfast**

Student Center  
Jul 02, 7:00 AM- 9:00 AM

9:00 AM

**Recursion and Nesting in the Wolfram Language**

Jonathan Gorard  
LaCava 325  
Jul 02, 9:00 AM-10:00 AM

10:00 AM

**How to Reshape Data**

Riccardo Di Virgilio  
LaCava 325  
Jul 02, 10:00 AM-11:00 AM

11:00 AM

**Package Development**

Riccardo Di Virgilio  
LaCava 325  
Jul 02, 11:00 AM-12:00 PM

12:00 PM

**Lunch**

Student Center

Jul 02, 12:00 PM- 1:00 PM

1:00 PM

**Machine Learning III**

Etienne Bernard

LaCava 325

Jul 02, 1:00 PM- 2:00 PM

5:00 PM

**Dinner**

Student Center

Jul 02, 5:00 PM- 6:00 PM

## **Wednesday, July 03, 2019**

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7:00 AM

**Breakfast**

Student Center

Jul 03, 7:00 AM- 9:00 AM

9:00 AM

**Neural Networks II: Neural Networks for Sequence**

Jerome Louradour

LaCava 325

Jul 03, 9:00 AM-10:00 AM

10:00 AM

**Sound/Audio**

Giulio Alessandrini

LaCava 325

Jul 03, 10:00 AM-11:00 AM

11:00 AM

**Neural Networks III: Advanced Applications**

Jerome Louradour

LaCava 325

Jul 03, 11:00 AM-12:00 PM

12:00 PM

**Lunch**

Student Center  
Jul 03, 12:00 PM- 1:00 PM

1:00 PM

**High Performance Computing**

Jonathan Gorard  
LaCava 325  
Jul 03, 1:00 PM- 2:00 PM

5:00 PM

**Dinner**

Student Center  
Jul 03, 5:00 PM- 6:00 PM

## **Thursday, July 04, 2019**

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7:00 AM

**Breakfast**

Student Center  
Jul 04, 7:00 AM- 9:00 AM

9:00 AM

**Cryptocurrency and Blockchain Technology**

Christian Pasquel  
LaCava 325  
Jul 04, 9:00 AM-10:00 AM

10:00 AM

**Educational Analytics Using DataSet**

Christopher Wolfram  
LaCava 325  
Jul 04, 10:00 AM-11:00 AM

11:00 AM

**Social Networks Derived from Narrative Texts**

Robert Nachbar  
LaCava 325  
Jul 04, 11:00 AM-12:00 PM

12:00 PM

**Lunch**

Student Center  
Jul 04, 12:00 PM- 1:00 PM

5:00 PM

**Dinner**

Student Center

Jul 04, 5:00 PM- 6:00 PM

5:30 PM

**Computational Essay Discussion**

Jul 04, 5:30 PM- 7:00 PM

8:00 PM

**Fireworks**

Leary Field

Jul 04, 8:00 PM-10:30 PM

## **Friday, July 05, 2019**

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7:00 AM

**Breakfast**

Student Center

Jul 05, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center

Jul 05, 12:00 PM- 1:00 PM

1:00 PM

**Stephen Wolfram Event**

Jul 05, 1:00 PM- 3:00 PM

3:00 PM

**Stephen Wolfram Event**

Jul 05, 3:00 PM- 5:00 PM

5:00 PM

**Dinner**

Student Center

Jul 05, 5:00 PM- 6:00 PM

## **Saturday, July 06, 2019**

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7:00 AM

**Breakfast**

Student Center  
Jul 06, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center  
Jul 06, 12:00 PM- 1:00 PM

1:00 PM

**Stephen Wolfram Event**

Jul 06, 1:00 PM- 3:00 PM

3:00 PM

**Stephen Wolfram Event**

Jul 06, 3:00 PM- 5:00 PM

5:00 PM

**Dinner**

Student Center  
Jul 06, 5:00 PM- 6:00 PM

8:00 PM

**Stephen Wolfram Event**

Jul 06, 8:00 PM-10:00 PM

## **Sunday, July 07, 2019**

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7:00 AM

**Breakfast**

Student Center  
Jul 07, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center  
Jul 07, 12:00 PM- 1:00 PM

1:00 PM

**History of Math (Podcast)**

Jul 07, 1:00 PM- 3:00 PM

3:00 PM

**Physics Space IL (LiveStream)**

Jul 07, 3:00 PM- 5:00 PM

5:00 PM

**Dinner**

Student Center

Jul 07, 5:00 PM- 6:00 PM

8:00 PM

**Computer Science and Program Data**

Jul 07, 8:00 PM-10:00 PM

## **Monday, July 08, 2019**

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7:00 AM

**Breakfast**

Student Center

Jul 08, 7:00 AM- 9:00 AM

11:30 AM

**Group Photo**

Library Steps

Jul 08, 11:30 AM-12:00 PM

12:00 PM

**Lunch**

Student Center

Jul 08, 12:00 PM- 1:00 PM

1:00 PM

**1:1 Project Consultation with Stephen Wolfram**

Jul 08, 1:00 PM- 5:00 PM

5:00 PM

**Dinner**

Student Center

Jul 08, 5:00 PM- 6:00 PM

6:00 PM

**1:1 Project Consultation with Stephen Wolfram**

Jul 08, 6:00 PM-10:00 PM

## Tuesday, July 09, 2019

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7:00 AM

**Breakfast**

Student Center

Jul 09, 7:00 AM- 9:00 AM

9:00 AM

**Tips on Giving Presentations & Finalizing Projects**

Vitaliy Kaurov

LaCava 325

Jul 09, 9:00 AM-10:00 AM

12:00 PM

**Lunch**

Student Center

Jul 09, 12:00 PM- 1:00 PM

5:00 PM

**Dinner**

Student Center

Jul 09, 5:00 PM- 6:00 PM

7:30 PM

**Gadget Night**

LaCava 335

Jul 09, 7:30 PM- 8:30 PM

## Wednesday, July 10, 2019

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7:00 AM

**Breakfast**

Student Center

Jul 10, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center

Jul 10, 12:00 PM- 1:00 PM

4:00 PM

**Community Post**

Jul 10, 4:00 PM- 4:30 PM

5:00 PM

**Dinner**

Student Center

Jul 10, 5:00 PM- 6:00 PM

6:00 PM

**2 Minute Presentations**

LaCava 325

Jul 10, 6:00 PM-10:00 PM

## **Thursday, July 11, 2019**

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7:00 AM

**Breakfast**

Student Center

Jul 11, 7:00 AM- 9:00 AM

12:00 PM

**Lunch**

Student Center

Jul 11, 12:00 PM- 1:00 PM

1:00 PM

**Poster Session**

LaCava Executive Ballroom

Jul 11, 1:00 PM- 4:30 PM

5:00 PM

**Dinner**

Student Center

Jul 11, 5:00 PM- 6:00 PM

6:30 PM

**Graduation**

Adamian Academic Center

Jul 11, 6:30 PM- 8:00 PM

## **Friday, July 12, 2019**

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7:00 AM

**Breakfast**

Student Center



Jul 12, 7:00 AM- 9:00 AM

11:30 AM

**Catered Lunch**

LaCava Executive Ballroom

Jul 12, 11:30 AM- 1:00 PM

5:00 PM

**Dinner**

Student Center

Jul 12, 5:00 PM- 6:00 PM