

# SYRIS NORELLI

1144 Tripoli St., Apt 4, Riverside, CA  
(+1 479) 200 1120 ◊ snore001@ucr.edu ◊ Github: OrderFromChaos

## EDUCATION

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### University of California Riverside

September 2016 - Present

Undergraduate: Junior

Overall GPA: 3.54/4

Applied Physics Major

Major GPA: 3.45/4

Computer Science Minor

Minor GPA: TBD

## TECHNICAL STRENGTHS

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### Computer Languages

Python, Haskell, C++, MATLAB, SQL

### Software & Tools

Tensorflow, Git, LaTeX, ggplot2 (R), Mathematica, Linux/zsh/bash

## LEADERSHIP

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### Society of Physics Students

September 2018 - Present

*President*

*UC Riverside*

- Recruited 15 new active members from the department within three months of club activity
- Interviewed 23 professors to build the database at [bit.ly/SPSDrive](http://bit.ly/SPSDrive) (under "Research Database")
- Restructured mentorship program material and mentored two underclassmen interested in altruism
- Spearheaded a 5-person team to successfully transition to increased professional offerings

### Beyond Conference

March 2018 - May 2018

*Co-organizer*

*UC Riverside*

- Coordinated part-time team of 10 to set up a student conference in 2 months with 40 in attendance
- Ran majority of all-hands meetings and served as Trello master
- Responsible for running the STEM branch of our marketing
- Event site: [beyonducr.com](http://beyonducr.com)

### Undergraduate Research Journal

April 2017 - Present

*Copy Editor*

*UC Riverside*

- Coordinated in teams of two to referee student papers for university-wide publication

## RESEARCH PRIORS

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### UC Riverside: Tanedo Lab

June 2017 - August 2018

*Undergraduate Research (Physics)*

- Employed Tensorflow, hyperopt, and pymc to guess unknown masses of fundamental particles.
- Collaborated with grad student at UC Irvine to implement a Generative Moment Matching Network, which uses maximum mean discrepancy to maintain train data distribution.
- Used Slack and Bitbucket to keep up with remote collaborators.
- Granted \$5750 from the UC Riverside Chancellor's Research Fellowship (13 selected from 70 applicants)

### UC Riverside: Sales Lab

January 2016 - April 2017

*Undergraduate Research (Physics)*

- Designed a real-time, 3D, interactive tool for looking at N-body motion (w/ second order integration)
- Frameworks: Processing, Numpy, Matplotlib

## **EXTRA-CIRRICULAR**

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Facilitated a series of informal classes (in sum, 27 students) to introduce UCR physics majors to Python and computational physics

Won a Science award at the San Francisco Science Hack Day 2017

Volunteered IT Support at Glide Community Health Services in San Francisco (80 hours, 2016)

Participated in ACM's UCR chapter ICPC prep bootcamp (May 2018)