

# SYRIS NORELLI

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## EDUCATION

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### University of California Riverside

*September 2016 - Present*

Undergraduate: Senior

Overall GPA: 3.58/4

Dept. of Physics: Applied Physics Major

Major GPA: 3.47/4

Dept. of Computer Science: Computer Science Concentration

Concentration GPA: **4.00/4**

## TECHNICAL STRENGTHS

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### Computer Languages

**Python**, C++, MATLAB, Haskell, SQL

### Software & Tools

Git, regEx, gdb, LaTeX, Selenium, Linux

## RESEARCH PRIORS

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### UC Riverside: Tanedo Lab

June 2017 - August 2018

*Undergraduate Research (Physics)*

- Employed Tensorflow and hyperopt to guess unknown masses of theorized particles
- Implemented a Generative Moment Matching Network (GMMN) to fix output distribution issues
- Awarded research grant of \$5750

### UC Riverside: Sales Lab

January 2016 - April 2017

*Undergraduate Research (Physics)*

- Designed a real-time, 3D, interactive tool for looking at 2nd-order N-body motion
- Languages: Processing, Python

## LEADERSHIP

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### Society of Physics Students

September 2018 - Present

*President*

*UC Riverside*

- Led successful conversion from social club to professional development organization
- Facilitated population interviews to improve leadership decisions

### ACM-ICPC @ UCR

August 2019 - Present

*Co-lead*

*UC Riverside*

- Organized 15 person practices for regional ICPC competition in Fall 2019
- Arranged special talks and 13 hours of mock competition time

## EXTRA-CIRRICULAR

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Won ACM's UCR chapter Competitive Programming Competition (May 2018)

Advised Hylander Financial Group on optimal equity allocation (Knapsack Problem + Expected Value)

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