Lucas Flores

Curriculum vitae

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Linkedin Profile Page
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Work Experience

July 2013 – Present

University of California, Riverside

Undergraduate Researcher

Jet Studies/Analysis in the Heavy Ion research group at UC Riverside under Professor Richard Seto, Ph.D. Worked mainly with ROOT, Pythia, and FastJet software to conduct Jet studies in the forward rapidity region. I am currently working in the Muon Piston Calorimeter Extension group doing simulated calibrations for the detector.

July 2012 – Sept 2012

University of California, Riverside

Research Internship

The position was a research internship at Brookhaven National Laboratory in Long Island, NY. I worked with the PHENIX collaboration under professor Richard Seto of UC Riverside. For the whole of the summer I worked on Jet studies of simulated Pythia events. The events of interest were mostly heavy Ion (Au+Au & d+Au) at forward rapidity.

Education

2010 – Present **Bachelor of Science**
Physics
The University of California, Riverside, CA

2010 – Present **Bachelor of Science**
Applied Mathematics
The University of California, Riverside, CA

Posters & Honors

2012 **Poster at the Annual Fall Department of Nuclear Physics Conference**
Jet Studies

2014 **Poster at the Annual Fall Department of Nuclear Physics Conference**
Jet Studieson the Muon Piston Calorimeter Extension

2014 **Benjamin C. Shen Memorial Award**
Outstanding Undergraduate

2014-present **MARC U STAR Trainee**
Research Fellowship, full tuition and monthly stipend

Languages

English	Fluent/Native Speaker
Spanish	Basic Knowledge
French	Basic Knowledge

Software & Programming

Good level	C++, C, ROOT, UNIX, Windows, Excel, PowerPoint
Intermediate	MATLAB/Octave, Pythia
Basic level	LaTeX, Mathematica, Shell Scripting , FastJet, HTML, CSS, Arduino

Relevant Academic Record

2012 – 2013	**Classical Mechanics I**	B
	Electrodynamics I	A-
	Linear Algebra I	A
	Classical Mechanics II	A+
	Electrodynamics II	A+
	Linear Algebra II	B+
	Electromagnetic Waves	A
	Thermodynamics	A
	Optimization	A-
2013 – 2014	**Quantum Mechanics I**	A
	Electronics Lab	A+
	Differential Equations I	A
	Quantum Mechanics II	A+
	Differential Equations II	A
	Statistical Mechanics	A
	Computational Physics	A
	Differential Equations III	A
	Current Cumulative GPA:	3.862