Juan José Neri

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EDUCATION

LOYOLA MARYMOUNT
Exp Dec 2018 | Los Angeles, CA
Cum. GPA: 3.92

B.S. in Computer Science
GPA: 3.91

B.S. in Applied Mathematics
GPA: 3.96

STANFORD UNIVERSITY
Jun - Aug 2017 | San Francisco, CA

Summer Session 2017
Cum GPA: 3.70

LINKS

Website:	juanjoneri.com
Github:	juanjoneri
LinkedIn:	Juan José Neri
Instagram:	juanjo.neri
Quora:	Juan Neri

SKILLS

PROGRAMMING

Advanced:
Python · Django · Flask · Java · JavaScript · CSS · HTML · C++ · MATLAB

Intermediate:
Bash · SQL · LaTeX

Basic:
WebGL · Elm · Neo4J · MongoDB

LANGUAGES

Proficient:
Spanish · English

Basic:
German

RESEARCH EXPERIENCE

SURP | Causal Cognitive Networks
Feb 2018 - Jul 2018 | CS Department | Supervisor: Dr. Forney
- Create a new technique that fuses the strengths of Causal Inference and Deep Learning in what we refer to as a Causal Cognitive Network.
- Implement a working prototype using deep learning framework Pytorch to test against the two popular approaches.

RAINS | New Algorithm for Community Detection
Jan 2017 – Jan 2018 | Mathematics Department | Supervisor: Dr. Laurent
- Implement a new unsupervised machine learning algorithm for graph clustering using python's TensorFlow and Pytorch
- Build a python library for creating, manipulating and visualizing large connected graphs, used to conduct a study of the algorithm.

PROJECTS

VAYERBA.COM | Mate Delivery Startup
Jun 2018 – Aug 2018 | UY | Startup Project
Developed using Python and Django2, published using Google Cloud Platform, and promoted using Google Ads, a website for a subscription-based delivery system of yerba mate in Uruguay.

OLIVE | Programming Language for Data Scientists
Jan 2018 – May 2018 | LMU | Compilers group project
Designed and implemented a programming language that combines the expressiveness and power of Python with the first class support for matrix and array mathematics of languages like Julia and MATLAB.

BAMBINAIA | Web app back-end and front-end
June 2017 – Dec 2017 | LMU | Database final group project
Implement Website for pairing nannies and mothers in real time using Google's new Polymer 2.0 front end library for web components with JavaScript and Google's firebase API for database management.

IOIO QUADCOPTER | Android powered Drone
Jan 2014 – Jun 2014 | UDELAR | Group project
Use sensors in an Android phone to establish a closed loop control system for a drone. The phone communicates with the rotors using the IOIO OTG board using a PID model with the data collected from the phone.

LIFELOG | Android app with SQLite and Dropbox's API
Sep 2015 | Seminario High-school | Personal project
Build and android app using Android Studio, Dropbox API and Wolfram Mathematica, to keep track of my daily routine and expenses on an SQLite database.

AWARDS

2018	LMU	Highest achieving CS student at LMU: Best GPA in major
2018	LMU	Pi Mu Epsilon Mathematics Honor Society
2018	LMU	Dean's List, all semesters
2017	SPS	Physics Chapter Research Award
2017	LMU	Student Organization of the Year (RCC)
2015	LMU	Full Scholarship for Outstanding South American Students
2014	OEI	Iberoamerican Olympiad, Uruguay physics delegation member
2014	mec	Physics National Olympiad 2nd Place

COURSEWORK

MATHEMATICS
Probability / Stats
Real Analysis
Complex Variables
Group Theory
Methods of Applied Math
Numerical Methods
Putnam Preparation

COMPUTER SCIENCE
Deep Learning
Artificial Intelligence
Data Structures
Algorithms
Programming Languages
Computer Graphics
Interaction Design
Database Systems

CERTIFICATES

LANGUAGES
Cambridge English Proficiency
Certificate in Advanced English
First Certificate in English
Young Learners Course (ih)
Intermediate German II (LMU)

ONLINE COURSES
Udacity
- Intro to Machine Learning
- How to Use Git and GitHub

Lynda.com
- Building and Deploying Deep Learning Applications with TensorFlow
- NumPy for Data Science
- Pandas for Data Science
- Python GUI Development
- Raspberry Pi: GPIO
- Linux: Multitasking
- Bash Scripting
- Learning Regular Expressions
- Learning REST APIs
- Learning Django
- Android App Development

Udemy
- Python and Django Full Stack Web Developer Bootcamp
- Become an Android Developer from Scratch

WORK EXPERIENCE

ADMINISTRATIVE & COMMUNICATIONS ASSISTANT | Dean's Office
Jun 2018 – Aug 2018 | Loyola Marymount University | Los Angles, CA
Administrative tasks including mailing collateral material, obtaining price quotes, maintaining accurate project records, and regularly and accurately track numerics for the college's communications channels.

TA SUPERVISOR | Mathematics department
Jan 2017 – Dec 2017 | Loyola Marymount University | Los Angles, CA
Work directly with the head of the Math department and TA body to help manage the TA program and ensure that it overall runs smoothly.

STUDENT RESERVE BOARD | Student government
Sep 2016 - May 2017 | Loyola Marymount University | Los Angles, CA
Member of the board that assigns financial assistance to University clubs and organizations through the co-sponsorship of events and activities

ROBOTICS TEACHER | Seminario High School
May 2016 – Aug 2016 | Colegio Seminario | Montevideo, UY
Teach the basics of circuit design, python3 programming, version control, and Linux command line in the context of Raspberry Pi 3 to advanced high school students.

LAB ASSISTANT | LMU Mathematics & Physics Department
Aug 2017 – May 2018 | Loyola Marymount University | Los Angles, CA
- Phys 201 Introduction to Electricity and Magnetism.
- MATH 103 Excel lab, computer spreadsheets, probability and statistics, and the mathematics of finance.

ADMINISTRATIVE PROJECT COORDINATOR | International Outreach
Sep 2016 - May 2017 | Loyola Marymount University | Los Angles, CA
Assist prospect international students with the application process to Loyola Marymount University.

MULTIVARIABLE CALCULUS TUTOR | Mathematics Department
Jan 2016 – Dec 2016 | Loyola Marymount University | Los Angles, CA
Help students with homework on Partial derivatives, multiple integrals, vectors in two-and-three-dimensional space, line integrals, etc.

MATH GRADER | Mathematics Department
Sep 2016 – Present | Loyola Marymount University | Los Angles, CA
Grade homework for MATH 103, 104, 123, 131, 245

ORGANIZATION MEMBERSHIPS

Year	Role	Organization
2017	Member	Society of Industrial and Applied Mathematics (SIAM)
2017	Member	Society for Advancement of Hispanics (SACNAS)
2016	Co-founder	Radio Control Club (LMU RCC)
2015	Co-founder	Society of Physics Students (LMU SPS)
2015	Member	Program for an Engineering Education (LMU PEEC)

CONFERENCES

Year	Location	Event
2018	LMU	Undergraduate Research Symposium
2017	USC	Southern California Machine Learning Symposium
2017	Utah	SACNAS Annual Conference
2017	UCSB	Pacific Coast Gravity Meeting
2016	Caltech	Southern California Machine Learning Symposium
2016	San Francisco	PhysCon 2016