



SYSTEM'S ENGINEERING STUDENT

# ALEJANDRO NADAL

## GET IN CONTACT

Mobile: +549-370-426-0727      alexandronadal@gmail.com  
[www.alejandronadal.com](http://www.alejandronadal.com)

Padre Cerqueira 367, Resistencia(3500), Chaco, Argentina



## PERSONAL PROFILE

**Backend Developer – Data Scientist.** Excellent basis in math and statistics. I deeply enjoy learning, creating things, and working with great teams in new projects.

## TOOLS AND TECH

I have experience with:

- AWS: S3, APIGateway, Lambda, Lightsail, CloudFront,
- Linux: console tools, bash scripting, log analysis, etc.
- Databases: MySQL, MongoDB
- CI/CD: Git, CircleCI
- API Development: Postman, Swagger

## SOFT SKILLS

I have lead projects of SW development and product design. Leadership and teamwork are my strong suits. I firmly believe communication is key to the success of every team.

I have a deep comprehension of Agile, not only the tools and processes, but also its principles.

## LANGUAGES

- English: C2 Level (certified by Cambridge)
- Spanish: Native

## DEVELOPER SKILLS

### PYTHON

- University projects: OS process management simulations, Montecarlo Simulations, Chaotic Growth Models. Experience with Numpy, Scipy Matplotlib and Pandas.
- Machine Learning projects: Done as part of deeplearning.ai Coursera's Deep Learning Certification. Mostly Tensorflow and Keras. Creation of image stylers and text generation. Data Analysis, automated bussiness strategy design based on data.

### JAVASCRIPT

- Mostly university projects and my portfolio page, using NodeJs and Express for backend operations, React for frontend and Mongoose to handle data from Mongo databases. Authenticated API's currently deployed.

## EDUCATION

### UNIVERSIDAD TECNOLOGICA NACIONAL (ARGENTINA)

Information Systems Engineering, (5th year)

### UNIVERSITY OF NEW MEXICO(USA)

Friends of Fulbright Program 2020. Classes taken:

- Introduction to Machine Learning
- Complex Adaptive Systems

## WORK EXPERIENCE

### TUTOR OF COMPUTER'S ARCHITECTURE

Universidad Tecnologica Nacional | 2020 – Present

- Tutoring students on bare metal programming and computer architecture

### SOFTWARE DEVELOPER

Risgerber | 2017 – 2019

- Atmel microcontroller software analysis, design and implementation

## SPECIALIZATIONS

### DEEP LEARNING – [LINK](#)

Institution: deeplearning.ai – Coursera. This specialization consisted in five individual courses

- [Neural Networks and Deep Learning](#)
- [Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization](#)
- [Structuring Machine Learning Projects](#)
- [Convolutional Neural Networks](#)
- [Sequence models](#)

Duration: 80 hours

### TENSORFLOW DEVELOPER – [LINK](#)

Institution: deeplearning.ai – Coursera. This specialization consisted in four individual courses

- [Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning](#)
- [Convolutional Neural Networks in TensorFlow](#)
- [Natural Language Processing in TensorFlow](#)
- [Sequences, Time Series and Prediction](#)

Duration: 80 hours

## VOLUNTARY WORK

- ARGENCON – Producer (12/2020) : Coordination of paper presentations in a virtual international IEEE Science Congress
- IEEE – Teacher (2020): Three month course on C programming course aimed to basic algebra for Machine Learning Techniques
- UTN (2019) – Teacher (2019): Three month course on C programming aimed to 1st year system engineering students

## COURSES

Institution: Coursera.

- Quantum Data Science Virtual Internship : In progress
- [Financial Markets \(completed with honors\)](#) – Yale University
- [AWS Fundamentals: Building Serverless Applications](#) – AWS
- [C for Everyone: Structured Programming](#)