

# Leandro Pineda

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## EDUCATION

- Universidad Nacional del Litoral**, Santa Fe, Santa Fe, Argentina 2009 – Today
- Facultad de Ingeniería y Ciencias Hídricas
    - Degree in Computer Engineering, expected graduation 2017.
    - Approved courses: 34 • Progress: 81%.
    - Partial G.P.A.: 8.06.
  - Thesis: Designing a computer network anomaly detection system.
    - Objective: design and implement an ethernet network distributed anomaly detection system, using *data streaming* techniques to process in real time TCP/IP header's information and data logs from different application services, in order to identify significant changes with regard a normal behaviour model.
- E.E.T. N° 478 "Dr. Nicolás Avellaneda"**, Santa Fe, Santa Fe, Argentina 2005 – 2008
- Educación Polimodal
    - Bachelor's degree: Computer Technician.
    - G.P.A.: 8.05.
- Escuela Industrial Superior**, Santa Fe, Santa Fe, Argentina 2002 – 2004
- Third cycle complete - Educación General Básica.
- Escuela N° 331 "Alte. Guillermo Brown"**, Santa Fe, Santa Fe, Argentina 2001
- Colegio Don Bosco**, Bahía Blanca, Buenos Aires, Argentina 1995 – 2000
- Second cycle complete - Educación General Básica.

## PROFESSIONAL EXPERIENCE

- Research Institute sinc(i)**, Santa Fe, Santa Fe, Argentina Aug 2014 – Today
- System Administrator
    - GNU/Linux server administrator.
    - Network maintenance
    - DevOps at project: <https://bitbucket.org/sinc-lab/webdemobuilder-docker>

## COURSES TAKEN

- Deep Neuronal Networks** Aug 2016 – Today
- Escuela de Posgrado y Educación Continua - UNR. Centro Internacional Franco Argentino de Ciencias de la Información y de Sistemas - CONICET.
    - Introduction to Machine Learning. Artificial Neural Networks. Regularization techniques. Convolutional networks. Representation learning.
    - Course repository: <http://github.com/CIFASIS/deep-learning-course>
- Duration: 60 hours • Rosario, Argentina.
- LAN under MikroTik: Layer 1 & 2.** Oct 2016
- Know the layer 1 and 2 protocols and their configuration using Mikrotik.
    - Ethernet configuration. Speed, Duplex/Half Duplex, statistics. Labels and commentaries. Understanding data from Torch. Bridge mode. L2 filters. L2 NAT. STP y RST. Bridge between ethernet and WiFi. VLAN. Cloud routers. IVL. CVS. Mesh networks. HWMPlus networks. L2 point-to-point connections. PPP and L2TP. Profiles. Configuration as a client and as a server. PPPoE protocol.
    - Teaching: Pablo Roa.
- Duration: 32 hours • Santa Fe, Argentina.
- Functional Programming Principles in Scala** Jul 2016
- École Polytechnique Fédérale de Lausanne en <http://www.coursera.org>.
    - Functions & Evaluation. Higher Order Functions. Data and Abstraction. Types and Pattern Matching. Lists. Collections
    - Certificate: <https://www.coursera.org/account/accomplishments/records/XP7CXSHS2PV8>

**6.00.1x: Introduction to Computer Science and Programming Using Python**

Mar 2016

- edx, Inc. (MOOC platform)
  - Introduction. Core elements of programs. Simple algorithms. Functions. Recursion. Objects. Debugging. Assertions and Exceptions. Efficiency and orders of growth. Memory and search. Classes. Object Oriented Programming and Inheritance. Trees.
  - Certificate: <https://courses.edx.org/certificates/c8d7817c072644b191489164127b815d>

**Network Management using Mikrotik**

Dec 2015

- Know the Routerboard hardware platform, their scope and performance. Manage a Mikrotik node under different modalities. Know specifications and hardware requirements.
  - Different hardware platforms. Performance and application of each Routerboard type. Licenses. Routerboard and PC. Routerboard BIOS management. Booting from the FLASH NAND. Management and remote access. Access under RS232. Commands through the terminal. Password reset. Software upgrade. Mikrotik information repository. Common failures and problems.
  - Teaching: Pablo Roa.

Duration: 20 hours • Santa Fe, Argentina.

**CONFERENCES  
AND SEMINARS****45° JAIIO - Jornadas Argentinas de Informática**

Sep 2016

- Sociedad Argentina de Informática – Centro Cultural Borges at UNTREF.
  - Each JAIIOs is organized as a set of separated symposia, each one dedicated to a specific theme, one or two days long, in order to allow interaction of its participants. Parallel sessions are held where papers are published in annual reports, research results are discussed, as well as conferences and meetings with the assistance of Argentine and foreign professionals.

Duration: 3 days • Buenos Aires, Argentina.

**Introduction to Application Security - Microsoft Research**

Jul 2016

- Escuela de Ciencias Informáticas – Departamento de Computación, UBA.
  - This course will introduce students to adversarial mindset, i.e., how to think like an attacker, and will include an overview of the most common types of vulnerabilities in use in exploitation today, including buffer overruns and the most common web vulnerabilities such as cross-site scripting and SQL injection.
  - Thematics: Introduction to the adversarial mindset. Memory safety and buffer overruns. Web application security. Privacy. Tools for static and runtime analysis. Hacking for fun and profit: case studies: cars, routers, and other devices.
  - Teaching: Ben Livshits.
  - Grade: 8 (eight).

Duration: 5 days • Buenos Aires, Argentina.

**Internet of Things - Cablevisión**

Jul 2016

- Escuela de Ciencias Informáticas – Departamento de Computación, UBA.
  - Objective: show what is IoT starting from what can be done today, giving practical examples and showing what this technology has to offer for people who are willing to pay for these services.
  - Teaching: Gabriel Carro - R&D department.

Duration: 5 days • Buenos Aires, Argentina.

**Cyber-security principles for enterprise environments - Intel Security**

Jul 2016

- Escuela de Ciencias Informáticas – Departamento de Computación, UBA.
  - Objective: present how the security of an enterprise is structured for the purpose of protecting and defending it. Also discussed are some known tactics, techniques and procedures (TTPs) that are being used in cyber-attacks.
  - Thematics: Anatomy of an attack and the *Cyber Kill Chain*. Network security and enterprise infrastructure. Defence in depth. Protecting enterprise networks. Protecting enterprise *endpoints*.
  - Teaching: Matías Cuenca-Acuna, Leonardo Frittelli, Marcelo Lorenzati, María Emilia Torino and Gustavo Yaguez.
  - Grade: 10 (ten).

Duration: 5 days • Buenos Aires, Argentina.

**VI Iberoamerican Congress of Researchers and Teachers of Law and Informatics**

May 2016

- Facultad de Ingeniería y Ciencias Hídricas – Universidad Nacional del Litoral.
  - The Iberoamerican Congress of Researchers and Teachers of Law and Informatics, is a meeting that convene Teachers and Researchers of the relationship between Law and Informatics, with the intention of generating an area that allows to share and develop further investigation, to generate ties of cooperation in order to deepen the knowledge from debate and exchange of ideas.

Duration: 3 days • Santa Fe, Argentina.

## **The role of vision in entrepreneurship**

Feb 2015

- Secretaría de Vinculación Tecnológica y Desarrollo Productivo – Universidad Nacional del Litoral.
  - Objective: Identify the importance of the mission and vision for the success of the enterprise, providing the main techniques and tools that facilitate its materialization.
  - Thematics: Characteristics of the entrepreneur. The mission of the entrepreneurship. The vision of the future of the entrepreneur. Carrying forward the Mission and Vision: the Business Plan.
  - Teaching: Gustavo Miazzi and Hugo Amante.

Duration: 6 hours • Santa Fe, Argentina.

### **LANGUAGES**

- English: Fluent.
- Spanish: Native.
- Spanish Citizenship by Option.

### **SKILLS**

#### **Programming**

- Advanced Knowledge: Python • C++
- Other languages: Java • Scala • SQL • PHP

#### **Technologies / Frameworks**

- Apache Spark • Apache Flink • Apache Kafka • Docker

### **LINKS**

- [github.com/leandropineda](https://github.com/leandropineda)
- [linkedin.com/in/leandropineda-lp](https://linkedin.com/in/leandropineda-lp)

### **INTERESTS**

Network Security, Machine Learning, Big Data, Network Infrastructure.

### **HOBBIES AND CRAFTS**

Gym, Running, Fishing.

*Last update November of 2016*