# ANDRES LEONEL NINO

andresnino@gmail.com          0421 602 528          Hillsdale – NSW – 2036

www.andresnino.com

## KEY SKILLS

➢ Python Developer
➢ Linux
➢ Excel / Tableau
➢ Pandas / Numpy
➢ SQL / SQLite
➢ Git / GitHub
➢ PCB Design Kicad
➢ Patience & Attention to Detail
➢ Teaching skills
➢ Curiosity & Enjoy the journey of learning
➢ Excellent communication skills in English and Spanish

## PERSONAL SUMMARY

I am a highly motivated and professional electronic engineer – data analyst, my passion has always been technology, programming and robotics. I am an analytical thinker with the ability to apply creative problem-solving skills.

I have experience as a developer/data analyst and I have worked in several areas in the medical industry.

As a software developer I have implemented scripts which have helped to facilitate the communication between different medical instruments as well as extracting data to track and analyse the behaviour of the surgical equipment.

Utilising my data analyst skills to predict behaviour on the medical instruments using machine learning techniques.

## EDUCATION & TRAINING

**2004**
Bachelor of Electronic Engineering –
Francisco De Paula Santander University

**2009**
C++ with Arduino

**2010**
PCB Design on Kicad

**2018**
Python 3.0
Machine Learning Tools

**2020**
Data Analytics
Academy Xi

## PROFESSIONAL EXPERIENCE

**Electronics Engineer - Data Analyst**
**Ionia Medical [2017 - Current]**

Design, installation, testing and maintenance of software systems on the medical instruments.
Simulate and test algorithms for predicting behaviour of Eye Surgery lasers.

**Key Responsibilities**

➢ Testing and evaluating scripts and automation systems in Python to track data on medical instruments.
➢ Develop PCB layout, testing and verification
➢ Documenting designs for manufacture.
➢ Testing Machine Learning techniques.

## INTERESTS

- ➢ Electronics
- ➢ Machine learning
- ➢ Development and Research in Robotics
- ➢ Programming
- ➢ Teaching Online
- ➢ Web Design and Blogging

## REFERENCES

Referees will be provided upon request

## Achievements

- ➢ Logfile analyser software for Schwind Laser Systems
- ➢ Right/Left Eye detection device for Schwind Lasers

### IT Help Desk
**Lifter LMS [2017-2018]**

Perform troubleshooting to diagnose and resolve problems on the learning management system software, fully test the system to ensure it functions properly and meets the business needs.

**Key Responsibilities**

- ➢ Provide orientation and guidance to users on how to operate the learning management system software.
- ➢ Perform problem verification by isolating and identifying steps to reproduce client issues.
- ➢ Create technical system documentation & user documentation.

**Achievements**

- ➢ I made the service support for the software LifterLMS the best on 2018

### Electronics Engineer
**ROCOL [2009 – 2017]**

Update firmware of the Schwind Eye Surgery Lasers
Develop software and hardware for test and track data on medical instruments.
Maintenance services for laser surgery equipment.

**Key Responsibilities**

- ➢ Test and measurement equipment for testing and debugging.
- ➢ Electronic hardware design and embedded firmware design.
- ➢ Python desktop software development.

**Achievements**

- ➢ Software to manage the service database.
- ➢ Software to track energy values on Schwind lasers

### Online Tech – Instructor
**cursoderobotica.com [2007 – current]**

Manage the website and YouTube channel to promote interest in robotics.

https://www.youtube.com/etronikltda
https://www.cursoderobotica.com