

Werner Oswaldo Florian Samayoa

Curriculum Vitae

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Education

- 2007–2009 **Middle school**, *Liceo Bilingüe Fraternidad Cristiana*, Guatemala.
- 2010–2011 **High school**, *Liceo Bilingüe Fraternidad Cristiana*, Guatemala.
- 2012–Today **Bachelor Degree in Electronic Engineering**, *Guatemala*, Universidad San Carlos, All requirements completed, awaiting graduation.
- 2013–Today **Student of Applied Physics**, *Universidad San Carlos*, Guatemala, 136/250 credits.

Voluntary Work

- 2015 **Treasurer**, CONESIEE, Guatemala.
Treasurer of CONESIEE (National Student Congress of Electronic and Electrical Engineering)

Job Experience

- 2016 **Auxiliary Professor and Physics Lab Instructor**, USAC, Guatemala.
- 2017 **IT Support internship**, GRUPO TRT, Guatemala.
5 months internship

Courses

- 2013 **UNIX**, INTECAP, Guatemala.
Course of basic UNIX
- 2013 **Development of Video games for Windows 8 using Unity**, MICROSOFT, On-line.
AppUniversity Course
- 2013 **3D modeling in 3D Max Studio**, 3D STUDIO, Guatemala.
3D Modeling beginner course
- 2014 **NASA Space Apps Challenge**, NASA, Guatemala.
- 2015 **NASA Space Apps Challenge**, NASA, Guatemala.
- 2015 **CONESIEE**, CONESIEE, Guatemala.
Part of the committee for the organization of the National Student Congress of Electronic and Electrical Engineering
- 2016 **Cryptography I**, STANFORD, Coursera.
- 2017 **Chinese for Beginners**, UNIVERSIDAD DE PEKÍN, Coursera.

- 2017 **Control of Mobile Robots**, GIT, Coursera.
- 2017 **Development of Real Time Systems**, EIT, Coursera.
- 2017 **Neural Networks and Deep Learning** , DEEPLARNING.AI, Coursera, Certified.
- 2017 **Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization**, DEEPLARNING.AI, Coursera, Certified.
- 2017 **Structuring Machine Learning Projects**, DEEPLARNING.AI, Coursera, Certified.
- 2017 **Convolutional Neural Networks**, DEEPLARNING.AI, Coursera, Certified.

Achievements and Awards

- November **Academic Excellence**, GUATEMALA.
- 2012 Academic Excellence Award de la Riva, High school

IT Knowledge

- Programming languages Java, MATLAB, Python, C, C++, Embedded C, Bash, Haskell, SQL
- Web HTML, JAVASCRIPT, PHP
- DB Mariadb, Cassandra
- IDE Eclipse, NetBeans, VisualStudio, Spyder, Vivado, Code Composer Studio, Atom
- OS Windows, Linux, FreeBSD, SonicOS, IOS Cisco, FreeRTOS

Technical Knowledge

- Software MATLAB, Mathematica, LabView, wxMaxima, Octave, VMware, Git, GNUplot, Qtplot
- EDA KiCad, Eagle, Progeus, Altium
- Hardware Xilinx, Texas Instruments, Arduino, Cisco, Dell

Projects

- Mat lab application to obtain the transfer function of an object.
- 3 axis gimbal using an IMU and Tiva C
- FPGA image processing to build mosaics
- IoT, network of nodes which measure temperature, noise, light, and 2 actuators. Each node connected to a hub via RF and the hub connected to INTERNET to display live data.
- Creation of a manual to help students of electronic engineering learn and implement FreeRTOS in the Tiva C and Xilinx SoC's

Languages

- Spanish **Mother tongue**
- English **Advanced**, TOEFL, ELASH

Italian **Advanced**, PLIDA B2

French **Intermediate** COURSE 8/12 CALUSAC

Other Interests

- Languages
- Music
- Sports