
Datos Personales

Nombres **Pedro Antonio**
Apellidos **Coronel Mendoza**
Fecha de Nacimiento **1-Oct-1982**
Lugar de Nacimiento **Asunción**
Nacionalidad **Paraguay**
Documento de Identidad **3.711.332**
Dirección **Soldado Robustiano Quintana 1053**
Email **pcoron3l@gmail.com**

Educación

1990-2001 **Bachiller Técnico en Informatica**, *Colegio “Sgdo. Corazón de Jesús Salesiano”*.
2002-2008 **Licenciado en Informática**, *Universidad Católica Ntra. Sra. de la Asunción*,
Carrera: Ingeniería en Informática.
2011- **Maestría en Gestion de Sistemas**, *Universidad Autónoma de Asunción*.
Actualidad

Otros Estudios

1997-1999 **Ingles Avanzado**, *Anglo Paraguayo*.
2000 **Curso de Base de Datos en Telecel**, *Durante la Pasantía Laboral*.
2008 **SQL – Oracle**, *Universidad Católica*.
2011 **PMI -PMP Metodología en dirección de proyectos (PMBok)**, *Centro de Calidad de Software*.
2012 **Curso Oracle in memory database – TimesTen**, *Exelsys*.
2011 **Curso de gestión de Calidad de Software – Software Testing – CMMI**,
Centro de Calidad de Software.

Seminarios y Conferencias

2008 **ETYC - UNA**, *Universidad Nacional de Asunción*.
2008 **CLEI**, *Universidad Politecnica de Santa Fé, Santa Fé - Argentina*.
2008 **JIT CITA**, *Universidad Católica*.
2008 **Semana Cyt UCA**, *Universidad Católica*.
2011 **JIT CITA**, *Universidad Autonoma de Asuncion*.
2012 **Seminario de Gestión de Proyectos con Metodologías Agiles**, *Universidad Nacional de Asunción*.
2012 **Seminario de introducción a ITIL**, *Centro de Calidad de Software*.

Experience

- 2010 **IC Design Engineer**, *IMEC Netherlands*, Eindhoven.
Working under minimum supervision; Understanding and learning of EDA tools;
DSP group meetings, conference calls and technical reports.
- 2009 **Teaching Assistant**, *University of Patras*, Patras.
Set up of laboratory equipment and experiments;
Guidance and supervision of undergraduate students.
- 2008 **Intern student**, *Greek Public Power Corporation*, Patras.
Assistance work within the department of physical network expansion.

Master Thesis

- Title *Optimized SIMD scheduling and architecture exploration and implementation for ultra-low energy processor architectures*
- Supervisors Francky Catthoor, Constantinos Goutis
- Description Project follows the complete flow of the implementation of an ASIP from high-level processor architecture design and Test Vector generation process to power dissipation measurements

Bachelor Thesis

- Title *Processor hardware implementation for Galois Counter Mode (GCM-AES) security encryption standard*
- Supervisors Constantinos Goutis
- Description Project based on VHDL design language; Hardware architecture design of an encryption algorithm; Validation using C programming and implementation on a Xilinx FPGA

Other Projects

Master projects

- VHDL Design and implementation of a multiply - add unit, Modeling using Octave, Testing in a Xilinx FPGA using a logic analyzer
- VHDL Architectural exploration of a LMS filter, Optimization for power, area and performance
- C Optimization of an edge - detection algorithm using compiler transformations
- C Implementation of a compression algorithm to reduce testing data
- UPPAAL Modeling and simulation of a Philips bus collision protocol

Bachelor Projects

- VHDL Implementation of Booth multiplier and MESI protocol
- Assembly Implementation of Virtual Mode for x86 processors
- PSpice Implementation of parallel multiplier based on Wallace tree adders
- C Development of a client management program implementing a hashing algorithm

Languages

- Greek **Native**
- English **Fluent** *ECPE Proficiency in English, University of Michigan, 2005*
- French **Basic** *DEL F A1, Ministere Francais de L'Education Nationale, 2000*

Computer skills

Basic	UML, HTML, C++, Tcl, System C
Intermediate	C, Matlab, Assembly(Intel x86)
Expert	VHDL, nML
Tools	Cadence, Xilinx, Target, UPPAAL, Simplescalar