Manuel **Núñez**

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Informatics Engineer

Experience designing, developing and leading software projects, with a strong profile as a mobile developer. Interested in data science, AI, machine learning, big data and new technologies. Open to new challenges and continuous improvement of my qualifications.

PROFESSIONAL PROFILE AND KEY COMPETENCIES

ANDROID – JAVA & OOP
Three years of experience as an Android developer, working with Java as a base language for the development of mobile applications, using concepts of Object-Oriented Programming (OOP).

JAVA & OOP
The course of Java developer at the Catholic University allowed me to introduce to the concepts of OOP and acquire the theoretical and practical bases about the management of the Java Core, of the main libraries and classes. We worked on Chat and Robocode development projects.

AGILE DEVELOPMENT
Teamwork skills in the Agile methodology. Ability to work in a team, fast learning and enthusiasm for the realization of innovative products.

LEADING AND ORGANIZING PROJECTS
Working in the industry or as a freelancer, I gained experience designing, developing, leading and organizing projects. Dealing with clients and organizing budgets. Focus on providing solutions based on the business requirements.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES/MODELLING LANGUAGES/LIBRARIES
Advanced: Java · C/C++ · HTML · LATEX
Advanced Intermediate: Python · PHP · UML
Intermediate: C# · Javascript · OpenGL · R
Basic (learning): Matlab · Octave

MOBILE PLATFORMS
Android/Android TV (Java, XML & Android Studio) · Windows Phone (C#, XAML & Visual Studio)

TOOLS
Eclipse, IntelliJ IDEA, Android Studio, Visual Studio, SVN, Jira, Confluence, Bitbucket/GitHub/GitLab, Trello, Sourcetree/SmartGit.

TECHNOLOGIES / FRAMEWORKS
Work experience with Spring, Hibernate, XML, Restful and SOAP webservices, JDBC, Git.

OPERATING SYSTEMS
All major Windows OS and Linux OS, Linux Systems Administration

DBMS
PostgreSQL · MySQL

LANGUAGES

SPANISH

Native speaker.

ENGLISH
Advanced - including writing technical documentation

GUARANÍ
Intermediate

POLISH
Beginner, aiming to become fully proficient

MAJOR EMPLOYMENT HISTORY

POLISH JAPANESE ACADEMY OF INFORMATION TECHNOLOGY (PJWSTK) | Early Stage Researcher.
May 2017 - September 2017 | Warsaw, Poland
Project: DREAM - Social Participation for improving emotional, mental, and physical well-being of independently living older adults (website: `https://sites.google.com/a/unitn.it/rise-dream/home`)
Description: Development of a smart TV application (client side: Android TV platform; server side: Laravel Framework) for the social inclusion of older adults (but not limited to them), allowing them to be an active part of society with a sense of purpose through online collaboration. This crowdsourcing tool will work with TED's videos, focuses on tasks like subtitle error detection, subtitle sync issues and video categorization (by themes and subjects). It will first be used to examine the feasibility of and design barriers connected to developing crowdsourcing solutions for seniors in structured case study research and perhaps during workshops, as well it may be rolled out in the Android TV store for free if passes tests with potential target audience positively.
Sector of activity: research and development
Site: PJA. `http://www.pja.edu.pl/en/`

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Junior Researcher
October 2015 - May 2017 | Asunción, Paraguay
Research and Development Project "Mejorando el proceso de desarrollo de software: Propuesta basada en MDD" at the Digital Electronics Laboratory (LED) - Project website: `http://www.dei.uc.edu.py/proyectos/mddplus/`.
Tasks involved:
- Development of a proposed MDD that contemplates data persistence mechanisms in native applications oriented to smart mobile phones. Thesis: "A model-oriented approach to the development of native mobile applications focused on the data layer". Document link: `https://goo.gl/ACYjWA`
- Support in the preparation of technical reports of the different stages of the project under the direction of the Technical Responsible.
- Support for the development of the project in all its stages as well as for the dissemination of results.
- Development of the tasks leading to the culmination of his final project at the Catholic University of Asunción.

Sector of activity: research and development

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Assistant Professor in the Software Engineering II course
March - July 2014 / March - July 2016 | Asunción, Paraguay

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Assistant Professor in the Software Engineering I course
August - December 2016 | Asunción, Paraguay

4QSTUDIOS (INFORMATICS CONSULTANCY) | Director, founder, developer
July 2015 - Present | Asunción, Paraguay
Responsible for the development of mobile applications for Android.
Sector of activity: development
Site: `https://4qstudios.com.py`

BERSOLID S.A. - CIBERSONS | IT Analyst and Programmer - Android mobile developer.
July 2015 - March 2016 | Asunción, Paraguay
Tasks involved:
- Planning of activities or analysis works, and design of systems.
- Design, elaboration, maintenance, implementation and analysis of systems according to technological standards and methodologies established by the employer.
- Documentation of the applications following technological standards and methodologies established by the employer.
- Evaluation of software developed by third parties.
- Coordination of the work plan, together with the direct superior.

- Preparation of reports of activities carried out.

Sector of activity: development
Site: Cibersons. `http://www.cibersons.com`

SQUADRA ASSOCIATE CONSULTANTS - ROSHKA | IT Analyst and Programmer - Mobile developer
April 2014 - June 2015 | Asunción, Paraguay
Android mobile application and web based system developer. Agile software development, Bitbucket, JIRA, Oracle database, Spring Framework, Android Studio.
Sector of activity: development
Site: Roshka. `https://www.roshka.com/web/team/`

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Junior Researcher
October 2013 - March 2014 | Asunción, Paraguay
Research and Development Project "Vincula Entorno" at the Digital Electronics Laboratory (LED). Development of the web based system using Django framework. Agile software development, Trello, Git.
Other tasks involved:
- Participation in research and development projects.
- Elaboration and development of continuous extension courses to strengthen the career of Electronic Engineering and Informatics.
- Support to the accomplishment of academic activities carried out by the Department of Electronic Engineering and Informatics.

Sector of activity: development
Site: DEI UC. `http://dei.uc.edu.py/`

ADMINISTRACIÓN NACIONAL DE NAVEGACIÓN Y PUERTOS - ANNP | Intern - IT Manager
December 2004 - February 2005 | Asunción, Paraguay
Computer Networking and Maintenance.

EDUCATION

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Informatics Engineering degree
October 2015 – May 2017 | Asunción, Paraguay
Thesis:"A model driven approach for the development of native mobile applications focused on the data layer".
Average Grade: 4.31 out of 5.00
Career Site: `http://dei.uc.edu.py/index.php/informacion-general-informatica`

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Bachelor's Degree in Computer Science
2009 – 2014 | Asunción, Paraguay

NATIONAL SCHOOL OF LAMBARÉ | High School Bachelor with a Technical Degree in Computer Science
2006 – 2008 | Lambaré, Paraguay
Average Grade: 5.00 out of 5.00 • Gold medal - Class 2008

PRESBYTERIAN SCHOOL "SAN PABLO" | Elementary and Middle School
1996 – 2005 | Lambaré, Paraguay
Graduated with "Distinguished Student" honours for my average grade.

ADDITIONAL COURSES

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Data Science with Social Impact.
October 2017 - Current | Asunción, Paraguay
Practical course on the science of data and its application to the study of social phenomena through the use of data opened by the national government.
Course website: `http://www.cursos.cyt.uc.edu.py/cursodatascience/`

COURSERA | Machine Learning.
August 2017 - Current | Asunción, Paraguay
Course "Machine Learning Fundamentals - Learn from Andrew Ng." by Stanford University at Coursera.
This course provides a broad introduction to automated learning, data mining, and statistical pattern recognition.
Course website: `https://www.coursera.org/learn/machine-learning/`

COURSERA | Android developer.

October 2014 | Asunción, Paraguay
Course "Programming Mobile Applications for Android Handheld Systems" by University of Maryland at Coursera.
Verified certificate: `https://www.coursera.org/account/accomplishments/certificate/HENWTBJX3P`
Course website: `https://www.coursera.org/learn/android-programming`

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Systems Administration.

2013 | Asunción, Paraguay
Systems Administration I - Networks, Linux, MySQL and PostgreSQL database, configuration of a DNS server, configuration of a Web server, monitoring tools and analysis of problems.
Course website: `http://www.cyt.uc.edu.py/cursos/admsys/index.php/administracion1`

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | JAVA developer.

2012 | Asunción, Paraguay
Course "Object oriented programming and JAVA".

INSTITUTO PANAMERICANO DE COMPUTACIÓN (IPC) | Programmer

2007 – 2008 | Asunción, Paraguay
Courses: Pseudocode (Algorithm), Foxpro, Visual Foxpro, Javascript, Microsoft Access and Visual Basic.

INSTITUTO SUDAMERICANO DE INFORMÁTICA (ISI) | Computer and Network Technician.

2007 – 2008 | Asunción, Paraguay
Diagnosis and resolution of problems in Hardware and Software. PC repair, maintenance, program installation, computer assembly, configuration of peripherals, multimedia, and systems.
Course website: `http://www.institutoisi.com/asuncion/tecnico-pc.html#U0Bkd3otW0OQJex0.99`

EXTRA-CURRICULAR ACTIVITIES

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Listener / Participant.

October, 2015 | Asunción, Paraguay
"Springer Workshop for Authors and Researchers", through the invitation of the National Council of Science and Technology - CONACYT Paraguay.

CATHOLIC UNIVERSITY "NUESTRA SEÑORA DE LA ASUNCIÓN" | Listener / Participant.

2014 | Asunción, Paraguay
"Workshop on Skills-Based Didactic Strategies".

TELETÓN | Technical Assistant - Volunteer.

2013 | Asunción, Paraguay

"BANCO DE ALIMENTOS" FOUNDATION - PARAGUAY | Volunteer.

2013 | Lambaré, Paraguay
Annual food collection for the Food Bank Foundation, part of the Global FoodBanking Network (GFN).

AUTONOMOUS UNIVERSITY OF ASUNCIÓN (UAA) | Researcher / Project Exhibitor.

November, 2013 | Asunción, Paraguay
Participation in the "Jornadas de Informática y Telecomunicaciones" y el "Congreso Internacional de Tecnología y Aplicaciones Informáticas" (JIT CITA).

NATIONAL UNIVERSITY OF ASUNCIÓN (UNA) - POLYTECHNIC FACULTY | Project Exhibitor.

2008 | Asunción, Paraguay
Participation in the "Meeting of Technical Bachelor in Computer Science".

AWARDS

- Honourable Mention for graduating with the best Grades Average of the Class of 2008.
- Graduated with "Distinguished Student" honours for my average grade in the Bachelor's programme.
- Honourable mention in recognition of academic performance during the admission course (2009) - Catholic University "Nuestra Señora de la Asunción".
- First place in the contest of student work of the careers of Computer Engineering and Electronics at national level. Project: "Analysis of feelings of tweets" • Authors: Stefano Pezzino, Jorge Jara and Manuel Núñez. • Document link: `https://goo.gl/doSJAU`