PERSONAL INFORMATION

Dionis López Ramos

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💬 GMAIL Instant Messenger inoid2007

Sex Male | Date of birth 05/01/1984 | Nationality Cuban

PERSONAL STATEMENT

WORK EXPERIENCE

January 2020 – Current time

Software developer at ProdevSolution enterprise

Software development company ProdevSolution, (Miami, USA)

▪ Software Developer.
▪ Project Manager.
Business or sector Public sector (Software)

July 2022 – January 2024

Software engineer

FDSU Santiago de Cuba, Cuba

▪ Developer at the **First Due Company** in EE.UU.
  https://www.firstdue.com

Business or sector Software

April 2016 – Current time

Full time teacher

Informatics Department, Faculty of Engineering in Telecommunication, Informatics and Biomedics, Universidad de Oriente (s/n, Avenida Patricio Lumumba, Santiago de Cuba,90500, Cuba)

▪ Teach: Simulation, Mobile Device Programming.
▪ Head of the Scientific Group of Advanced Computer Technologies oriented to the Internet of Things, Artificial Intelligence and Big Data.
▪ Research: Unsupervised Learning (Clustering), Pattern Recognition, Text Mining and Opinion Mining.
▪ Winner of the iStartUp D4D 2018 award in Brussels, Belgium (http://misiones.minrex.gob.cu/es/cuba-belgica-premio-prize-digital-development-d4d-2018-colaboracion-interuniversitaria-universidad)
▪ *PhD in Computer Science.*
Business or sector Ministry of Higher Education

January 2017 – January 2018

Software engineer

PIBLOC Santiago de Cuba, Cuba

▪ Development and delivery of several projects for the **Alltech Consulting Company** in France.
https://alltech.fr/

Business or sector Software

September 2007 – April 2016	**Software developer at DATYS enterprise**

Software development company DATyS, Santiago de Cuba Branch (http://www.datys.cu/, s/n, Avenida Patricio Lumumba Avenue, Santiago de Cuba, 90500, Cuba)

▪ Software Developer.
▪ Project Manager.
▪ Member of the Company Scientific Council.

Business or sector Public sector (Software)

September 2007 – April 2016	**Partial time teacher**

Informatics Department, Faculty of Engineering in Telecommunication, Informatics and Biomedics, Universidad de Oriente (s/n, Avenida Patricio Lumumba Avenue, Santiago de Cuba,90500, Cuba)

▪ Teach: Data Structure, Discrete Mathematics, Web Programming, Programming Language.

Business or sector Ministry of Higher Education

EDUCATION AND TRAINING

Febrary 2018 – November 2022	**Phd in Informatics and Computer Sciences**	Grade: Excellent

Computer Sciences Department, Faculty of Mathematics, Informatics and Physics at Universidad Central "Marta Abreu" de Las Villas   (s/n, Carretera a Camajuaní, Santa Clara, Cuba)

Phd research:

September 2011 – January 2013	**Master in Computer Science**	Grade: Excellent

Computer Sciences Department, Faculty of Natural and Exact Sciences at Universidad de Oriente (s/n, Avenida Patricio Lumumba, Santiago de Cuba, 90500 , Cuba)

▪ Research Methodology.
▪ Data Mining.
▪ Parallel Programing.
▪ Advanced Programing Languages.
▪ Advanced Data Base.
▪ Natural Language Processing.
▪ Image Processing.
▪ Graphical Computing.
▪ Advanced High Mathematical.
▪ Pattern Recognition.

September 2002 – July 2007	**Bachelor of Science in Computer Science**	Cum Laude, Average A (4.84 / In the Cuban system 5 points is the highest grade)

Computer Sciences Department, Faculty of Natural and Exact Sciences at Universidad de Oriente (s/n ,Avenida Patricio Lumumba, Santiago de Cuba, 90500 , Cuba)

PERSONAL SKILLS

Languages / Frameworks

- PHP
- C#
- JavaScript
- Java
- Python
- HTML/CSS`
- Angular.js
- NodeJS
- Android
- Flutter
- Vue
- Google Cloud Platform
- AWS

Database

- SQL Server
- MySQL
- MongoDB
- Firebase
- Elastic Search
- Redis

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
French	A2	A2	A2	A2	A2
	DELF/DALF				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- good communication skills gained through my experience in teaching and research labours.
- good idea communication skills through my experience in teaching and research labours, team member in software projects at Datys.
- good skills for public presentation through my participation in workshops, international events and teaching and research labours.

Organisational / managerial skills

- leadership (currently responsible for a research group of AI researches).
- work in group (as software developer in several projects at Datys).
- project management (software project manager at Datys, researcher at Universidad de Oriente).
- leadership in Pattern Recognition and Text Mining as research at Universidad de Oriente.
- adviser of bachelor and master thesis.
- project design and elaboration as team member in Cuba VLIR-UOS project at Universidad de Oriente.

Job-related skills

- responsibility as team member in software projects at Datys, in teaching and research labours.
- work in group as team member in software projects at Datys and research labours.
- knowledge in C++ (The final carrier thesis was on this topic), Javascript, Java, Node, Angular, Python, Android, Flutter
- Data Sciences, Machine Learning, Deep Learning
- Google Cloud Platform, Azure

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

Master Degree Program in Computer Sciences

- good command of office suite (word processor, spread sheet, presentation software) as student in Cuba education system.
- good software developer has worked at Datys.
- good Windows and Linux operative system management as worked at Datys.
- good web application development as worked at Datys.
- good mobile application development as teacher at Universidad de Oriente.
- competent with machine learning and data mining tool as team member in software projects at Datys and research labours.
- competent with Java, C++, JavaScripts, Python, Php, R programming languages as team member in software projects at Datys and research labours.

Driving licence	B category

ADDITIONAL INFORMATION

Projects portfolio
- Machine Learning, Deep Learning and Generative Artificial Intelligence.

- Flutter projects

Articles
- Aprendizaje profundo para la extracción de aspectos en opiniones textuales, Revista Cubana de Ciencias Informáticas 13 (2), 105-145, 2019
- Realidad Aumentada, una herramienta para la gestión de los valores patrimoniales. Augmented Reality, a tool for the management of heritage values, Santiago, 213-222, 2019
- Multi-domain Aspect Extraction Based on Deep and Lifelong Learning, Iberoamerican Congress on Pattern Recognition, 556-565, 2019
- Sistema de edición de contenidos de salud para teléfonos inteligentes, Revista Cubana de Informática Médica 11 (2), 195-201, 2019
- A Model of Continual and Deep Learning for Aspect Based in Sentiment Analysis, Journal of Automation, Mobile Robotics and Intelligent Systems 17 (1), 3-12, 2023
- Digital Content Editing System for Smartphones (Athrim 1.0), Cross Reality and Data Science in Engineering: Proceedings of the 17th International Conference on Remote Engineering and Virtual Instrumentation 17, 762-772, 2021
- Wispocket: Plataforma digital para campañas de bien público, IX Taller Internacional de Tecnologías de Software Libre y Código Abierto (Informatica 2020)
- Deep Learning for the Aspects Extraction: Essential Task in the Creation and Use of Ontologies, Proceedings of the 3rd International Workshop on Semantic Web 2018 2096, 143-156, 2018
- A model of continual and deep learning for aspect based in sentiment analysis Journal of Automation, Mobile Robotics and Intelligent Systems 17 (1), 3-12

Presentations
- Aprendizaje profundo para la extracción de aspectos: tarea esencial en el uso de ontologías" presented in International Congress INFO 2018, April, La Habana, Cuba, (2018).
- "Estudio sobre la detección de enfermedades humanas del sistema motor mediante teléfonos inteligentes" presented in International Congress FIE 2014 (Biomedical Ingeniery Applications and Technologies) pp 1-4, ISBN: 978- 959-207-529-0, June, Santiago de Cuba, Cuba, (2014).
- "Componente de notificación telefónica para sistemas de alarmas empleando teléfonos inteligentes" presented in International Congress FIE 2014 (ITC), pp 1-4, ISBN: 978-959- 207-529-0. June, Santiago de Cuba, Cuba, (2014).
- "Diagnóstico de Melanoma Maligno desde Teléfonos Inteligentes y Tabletas", presented in International Congress SALUD 2013, pp 1-10 ISBN: 978-959-7213-02-4. November, La Habana. Cuba, (2013).
- "Gestión de la información de eventos o convenciones desde teléfonos inteligentes" presented in International Workshop UCIENCIA 2012, pp 1-4. ISBN:978-959-286-019-3. Febrary, La Habana, Cuba, (2012).
- "Método no supervisado para la detección de opiniones en flujos de documentos" presented in Pattern Recognition National Congress RECPAT 2011, pp 1-10. ISBN: 978-959-250-658-9. Noviembre, Villa Clara, Cuba, (2011).

Projects	▪ thesis promoter in Informatics Engineering or Computer Science Bachelor 10 times with excellent results.
	▪ team member in Cuba VLIR-UOS international project at Universidad de Oriente.
	▪ Project "Informatics system for Smart City management in Santiago de Cuba" for local development at Universidad de Oriente.
	▪ With WisePocket project, winner of the iStartUp D4D 2018 award in Brussels, Belgium (http://misiones.minrex.gob.cu/es/cuba-belgica-premio-prize-digital-development-d4d-2018-colaboracion-interuniversitaria-universidad)
	▪ Leader of Project SpanishMedicaLLM (https://youtu.be/tVe_MC7Da6k) in the III Hackathon open-source online internacional PLN in Spanish #Somos600M, since 1 to 24 mars 2024

Taught courses	▪ Postgraduate Course - Introduction to Large Language Models (LLM) (https://www.youtube.com/playlist?list=PL8k-7BmC9Spau1M9BiKWXsA0i6wXypmnT) May and June 2024