

Nelson Vides Luzardo

SOFTWARE ENGINEER

Różana 10/1, 30-305 Kraków, Poland

☎ (+48) 733 791 307 | ✉ videsnelson@gmail.com | 🏠 farfromready.com/ | 📱 NelsonVides | 🌐 nelson-vides | 📄 nelson-vides-luzardo-028aa214b/



“Getting out of my comfort zone.”

Skills

Programming C++, Standard ML, C#, Haskell, Visual Basic & VBA, LaTeX
Tooling git, Visual C++, GCC, AVR, Jenkins, NAnt, BitBucket, GitHub, Jira
Languages Spanish, English, Polish

Experience

Motorola Solutions

SOFTWARE DEVELOPER

- Development of the CD & CI platforms: Jenkins integration with git and binaries delivery.
- Maintenance of security software and architectures.
- Promotion of modern C++11 & C++14 standards. Promotion of generic programming.

Kraków, Poland

June 2018 - PRESENT

IBM BTO Services Polska

AUTOMATION PROCESS DEVELOPER

- Development of automation tools for the finance sector by means of scripting languages.
- Introduced a reassessment of the team practices and quality standards.
- Exposed ERP APIs by COM compliant binaries.
- Implemented a C++ Command-Line Interface wrapper around Citrix streaming services.
- Developed code standards, promoted design patterns and a Test-Driven Design approach.

Kraków, Poland

Nov. 2017 - May 2018

IBM BTO Services Polska

ACCOUNTANT AUTOMATION

- Responsible for the Accounts Payable department of our client's Spanish section.
- Developing VBA Automation tools to improve efficiency of the reporting processes saving up to 8h a week per country cluster.

Kraków, Poland

Feb. 2017 - Oct. 2017

Profilingua and K&K Language Schools

SPANISH TEACHER

- More than 200 students who improved their skills and passed a diversity of certifications.

Kraków, Poland

Sept. 2016 - Feb. 2017

Extracurricular Activity

Embedded Projects

DEVELOPER AND MAIN LEARNER OF THE DAY

- In process of creation of a series of controllers to monitor the weather conditions in and out the house, listen to orders sent by GSM, keep track of scheduled events. This has been the project around which many things have been revolving.
- When facing memory size limitations, I had to delve into bitwise operation, compiler flags, and runtime calling conventions.
- When facing the implementation of a screen view for the system, I got involved into UI design patterns.
- When facing timing responsiveness issues, I had to discover the concept of hardware interrupts, only to later discover the big world of RTOS, where I swim now.
- Every new challenge means an opportunity to devour a new book, which that alone has made this project very fruitful.

home, Kraków, Poland

Dec. 2017 - PRESENT

Programming Languages

MENTOR STAFF

- After having completed, this course on Abstract Programming Languages with the highest marks, I was selected to mentor.
- Studied Type Systems, Closures, Abstract Syntax Trees, Language implementations, Type Safety, Introduction to λ -Calculus, a comparison between the Object-Oriented Paradigm against the Functional one.
- Implemented a REPL in a Lisp language for a hypothetical language with closures.
- Implemented a Type Inference machine for Standard ML, in Standard ML.
- Implemented a Tetris game in Ruby using Object-Oriented design.
- Giving support to new students, participating in the forums and writing articles to promote curiosity and participation, and solving their doubts.

Coursera

Jan 2018 - PRESENT

CS50 by Harvard

edX

STUDENT

Mar. 2017 - May. 2017

- Perhaps the official beginning of the Computer Sciences quest. By one of the best Computer Sciences instructors out there.
- Introduction to algorithms, data abstractions, machine architecture.

Other Materials

home, Kraków, Poland

STUDENT

May 2017 - PRESENT

- Constantly checking materials Universities are publishing for free.
- Languages: semantics, lambda calculus, compilers (Delhi and Washington University materials).
- Algorithms and Data Abstractions (Stanford's CS106B).
- Computer Architecture: Von Neumann and Harvard Architecture, the almighty Stack (Jerusalem University).
- Software Design: Design Patterns, Test-Driven Development (by involvement into Rubberduck's VBA project on GitHub).

Education

Instytut Cervantesa w Krakowie

Poland, Kraków

CERTIFICATE IN SPANISH LANGUAGE PEDAGOGICS

Sept. 2015 - Dec. 2015

- Learnt about the theory behing Public Speach, Group Dynamics, and Skills Learning.

Universidad Complutense de Madrid

Madrid, Spain

STUDIES IN PURE AND ABSTRACT MATHEMATICS

Sept. 2010 - Jan. 2015

- Honour Grade in General Topology. Mentions of Excellence in Algebra, Geometry and Set Theory.
- Acquired the habits of the mathematicians: it's not true until you prove it, there-is-always-a-better-way way of thinking, and taste for abstractions.
- Interests in classification problems and pattern laws.

I.E.S. Luis de Lucena

Guadalajara, Spain

SCIENCES BACCALAURATE

Sept. 2008 - May. 2010

- Performant in Philosophy, Physics, Mathematics and Biology.
- Time has shown me that high-school was a lot more valuable than I thought back then. To this day, I don't see a red moon in the horizon, I see a refracted electromagnetic field stimulating cone cells which release a chain of sodium-potassium reaction along a neural axon.

Presentations

Type Theory: Theorems for free

Kraków, Poland

MOTOROLA SOLUTIONS

July 2018

- Lorem ipsum.
- Lorem ipsum.
- Lorem ipsum.

Hooking DLLs for more available functionality

Kraków, Poland

IBM BTO SERVICES POLSKA

Mar. 2018

- On further improvement, I discovered I could wrap around networking binaies to take advantage of their undocumented functionality.
- Methodically presented my ongoing R&D on this topic for further investment.

Interfacing to new Libraries

Kraków, Poland

IBM BTO SERVICES POLSKA

Feb. 2018

- Developed a series of COM libraries to take advantage of in the automatisisation of ERP systems and local databases.
- Presented it to my team, in an pedagogic and entertaining fashion.

Regional Public Library of Kraków










Kraków, Poland

CULTURAL EVENTS

Oct. 2015 - Jun. 2016

- Realisation of periodic events around the Spanish Language and Culture.
- Challenged my organizational and social skills, learned a lot about my culture and the culture other people.

Most Proud Of

2012		Mention of Excellence: Linear Algebra, honoured to have had an amazing teacher.	<i>Madrid, Spain</i>
2012		A month in the Shaolin Temple: Life changing moment. Kung Fu training.	<i>Shaolin, China</i>
2014		Honour Grade: In the Subject of General Topology in Abstract Mathematics.	<i>Madrid, Spain</i>
2014		Karate Black Belt: My life-long lesson.	<i>Madrid, Spain</i>
2015		English Certificate: From A2 to scoring 196/210 CAE exam in two years.	<i>Madrid, Spain</i>
2015		My first Bike Trip: 3400km without having cycled before.	<i>Germany & Poland</i>
2016		My tenancy: A second bike trip over the most montanous regions.	<i>France, Swiss & Italy</i>
2015-18		Learnt Communicational Polish: czy to nie supermoc?	<i>Kraków, Poland</i>
2017-18		Became a Software Developer: Making a career by myself. I'm proud of that.	<i>Kraków, Poland</i>