

# Nicolas Martinez



## Contact

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## Languages

Native Spanish  
C1 English

## Programing Languages

♥ Python (Advanced)  
Javascript  
C/C++  
Fortran95  
Vue.js  
Node.js

## Libraries & Frameworks

Proficient with Python libraries: Numpy, Pandas, and data visualization with Matplotlib. Experienced in web development with Vue.js and Node.js, and API creation with Flask.

## Professional Experience

- 2023-Present **Web Developer** Federal Administration of Public Revenues (AFIP), Argentina  
*Software Analyst and Developer*  
Designed and developed web pages from Figma mock-ups using Vue.js and Node.js. Implemented artificial intelligence algorithms to enhance documentation search functionality. Crafted API REST using Python with Flask.
- 2023-Present **Research and Development Intern** Nucleoeléctrica Argentina S.A.  
*Researcher*  
Spearheaded technology development and conducted comprehensive reactor internals research using Python.
- 2022-Present **Game Developer (Python)** Freelance, Buenos Aires  
Developed a text-based RPG game leveraging Python with a Tkinter graphical interface.
- 2022-2023 **IoT Software Developer (C/C++)** Applied Codesign Center - UTN, Buenos Aires  
Developed software for IoT devices to capture real-time electrical parameters, integrated with Firebase.
- 2022-2023 **Software and CAD Engineer** National University of La Plata  
Designed a CNC Router for carbon fiber processing. Oversaw cutting mechanism design, CAD modeling, and proprietary software development.
- 2020-2022 **Embedded Software Developer (C/C++)** Applied Codesign Center - UTN, Buenos Aires  
Engineered remote systems' software and hardware for monitoring parameters in electric motors using Arduino Uno and SCT-013.
- 2020-Present **Assistant Professor in Rational Mechanics** National Technological University, Buenos Aires  
Facilitated advanced physics problem-solving sessions and conducted colloquium evaluations.
- 2022-2023 **Graphic Designer and Marketing Specialist** Safety and Electrical Risk Courses - UTN, Buenos Aires  
Produced graphical content and revamped documents for enhanced presentation using MS Office Suite.

## Educational

- 2022 **JavaScript Algorithms and Data Structures** [Display Certification]  
freeCodeCamp Certification
- 2022 **Scientific Computing with Python** [Display Certification]  
freeCodeCamp Certification
- 2022 **Data Analysis with Python** [Display Certification]  
freeCodeCamp Certification
- 2022 **Computational Tools for Scientists** In Progress [ 6 Months ]  
Institute of Physics of Liquids and Biological Systems
- 2014-Curr. **Electrical Engineering** In Progress[ 95% complete ]  
Advanced student. Universidad Tecnologica Nacional

# SoftSkills

## About me

Since I was a child I have always been passionate about math and taking apart all my toys to see how they worked! Today I find myself working on my own crazy mathematical theory and in the modeling of alternative power generation and propulsion systems.

In my spare time I dedicate myself to creating and programming my own videogames, I am currently developing a text role-playing game in Python. I'm actively working on challenges such as "Project Euler" to hone my programming skills. I consider myself to have an advanced level in Python and am very comfortable working with it.

I'm happily married and I'd like to be able to travel and see the whole world.

## Personal Aspects

Proactive, ability to speak in public, creative and attentive.

## Personal and professional interests

### Professional Interests

To have continuous learning, work, and develop myself in projects that I am passionate about, preferably linked to new technologies.

### Personal Interest

To have a balance between my work and personal life, to do activities that I enjoy and to be able to spend time with my family and friends.

## Repos and Portfolio

[My GitHub repository](#)