



## PROFILE

Programming has always been a critical part of my career and I developed a keen interest in this field. I graduated as a full stack developer and, besides my experience, I consider myself with the ease and the willingness to learn. In addition to my technical knowledge, I work great with others and have favorable communications and leadership skills. I also have ability to adapt myself to evolving work environments, and to manage responsibilities and challenging situations. My main goal is to progress as a software developer while contributing with my work.

## LANGUAGE SKILLS

**English CEFR: C1**

## CONTACT

PHONE:  
(54 9 351) 6619395

GitHub:  
<https://github.com/marperseg>

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[www.linkedin.com/in/mperezsegura](http://www.linkedin.com/in/mperezsegura)

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# Martín Eduardo Pérez Segura

Full Stack Web Developer  
(ENGINEER)

## EDUCATION

### Full Stack Web Developer

Postgraduate Diploma: Programming and software architecture, front-end, back-end, web services, data bases.

*January 2022 – December 2022*

ICARO AS (<https://icaro.org.ar/>) & Universidad Nacional de Córdoba – Facultad de Ciencias Exactas Físicas y Naturales (National University of Córdoba – Faculty of Exact Physical and Natural Sciences).

### High Performance Computing Camp

Techniques and methodology for parallel programming.

*September 2017*

Universidad de Buenos Aires (National University of Buenos Aires) & Universidad de la República Uruguay (Uruguay Republic University).

### HPC and Parallel Computing

Postgraduate Course.

*June 2016 – December 2016*

Universidad Nacional de Córdoba – Facultad de Astronomía, Matemática, Física y Computación (National University of Córdoba – Faculty of Astronomy, Mathematics, Physics and Computer Science).

## PROGRAMMING EXPERIENCE

*2022 – On Course*

Over a year designing, analyzing and developing high performance scientific software for numerical research and experimentation.

*April 2017 – On Course*

As Graduate Research Fellow: Over 5 years designing, analyzing and developing high performance scientific software for numerical research and experimentation.

## PROGRAMMING SKILLS AND COMPETENCIES

- Application development with Node.js and Express.
- Incorporation of Middleware. HTTP protocols and requests.
- JavaScript and TypeScript, HTML5, CSS, JSON/XML.



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- Web page creation with Angular and Angular Material.
- Fundamentals of Model-View-Controller (MVC).
- Web Services, REST APIs, CRUD.
- Relational databases with SQL and MySQL.
- Non-relational databases with MongoDB and Mongoose.
- Object Oriented Programming (OOP), OO Analysis and Design.
- Other programming languages: Fortran2015/2018, C, Cuda, C++.
- Agile methodologies and Scrum framework.
- Computer Sciences: Software architecture, software design, data structure and algorithms design, hardware-awareness. Scientific programming, numerical experimentation.
- High performance computing with CPU (OpenMP, MPI, intrinsics) and GPU (CUDA, CuBlas, CUDA Fortran PGI).

## ADDITIONAL EDUCATION

### PhD in Engineering Science (in progress)

Research area: Non-linear structures Analysis, Aeroelasticity.

*April 2017 – On course*

### Master Degree in Aerospace Engineering Science

Thesis: An UVLM Computational Implementation Based on the of Object-Oriented Programming and Co-Simulation Paradigms.

*April 2015 – August 2018*

### Aeronautical Engineer

*April 2009 – September 2014*

Universidad Nacional de Córdoba – Facultad de Ciencias Exactas Físicas Y Naturales (National University of Córdoba – Faculty of Exact Physical and Natural Sciences).

## ADDITIONAL WORK EXPERIENCE

### Adjunct Professor

*November 2018 – On course*

Universidad Nacional de Córdoba – Facultad de Ciencias Exactas Físicas y Naturales – Departamento de Estructuras (National University of Córdoba – Faculty of Exact Physical and Natural Sciences – Department of Structures).

### Graduate Research Fellow

*April 2017 – On Course*

Institute for Advanced Studies in Engineering (IDIT) of the National Scientific and Technical Research Council (CONICET).

A handwritten signature in black ink, appearing to read 'Martín Eduardo Pérez Segura', written in a cursive style.

***Pérez Segura, Martín Eduardo***