REIDMEN ARÓSTICA

Mathematical Engineer

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🔗 reidmen.github.io/PublicMistakes/   github.com/Reidmen/   in linkedin.com/in/reidmen-arostica/

EXPERIENCE

Research & Thesis
Universidad de Chile

📅 March 2018 - April 2019   📍 Santiago, Chile

Employer: PhD.Axel Osses. Classification: Proactive 7.0/7.0

- It was generated a numerical model that describes *Lamb*-wave behavior from a novel Ultrasonic Method.
- Realistic bone simulations from μ-CT images are done in NLHPC facilities.
- Novel extensions to viscoelastic mechanical behavior are proposed connected to experimental results.

Research Assistant
Pontificia Universidad Católica de Chile

📅 December 2017 - January 2018   📍 Santiago, Chile

Employer: PhD. Daniel Hurtado. Classification: Independent 7.0/7.0

- There are studied methods to numerically simulate bone tissue under stress, using state-of-art library FEniCS.

Research Assistant
Center of Mathematical Modelling (CMM), Chile

📅 December 2016 - January 2017   📍 Santiago, Chile

Employer: PhD. Felipe Tobar. Classification: Productive at work. 6.0/7.0

- There is proposed an implementation of *Reinforcement Learning* to predict financial series under the Keras library.
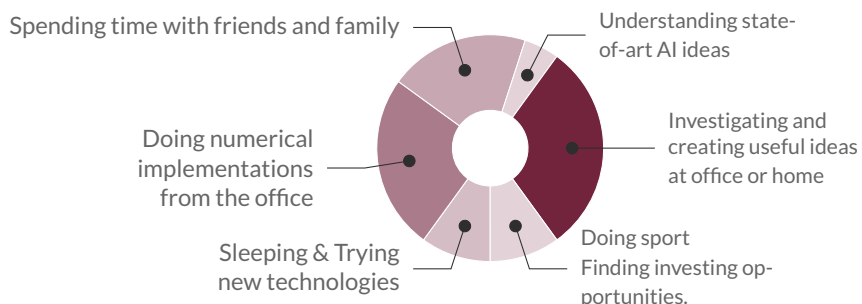
Laboratory Assistant
Universidad de Chile

📅 January 2016 - February 2016   📍 Santiago, Chile

Employer: PhD. Rodrigo Assar. Classification: Productive, Enthusiast 7.0/7.0

- It is investigated state-of-art methods in bio-statistic for genetic counters of proteins.

A DAY OF MY LIFE

- Spending time with friends and family
- Understanding state-of-art AI ideas
- Investigating and creating useful ideas at office or home
- Doing numerical implementations from the office
- Sleeping & Trying new technologies
- Doing sport Finding investing opportunities.

EDUCATION

M2 Mathématiques Appliquées
Paris Dauphine Université

📅 September 2019 - Ongoing

Expected graduation on July 2020

Mathematical Engineering and M.Sc.Eng. in Applied Mathematics
Universidad de Chile

📅 March 2013 – April 2019

Graduated with the highest distinction on both (6.9/7.0)

MOST PROUD OF

🏆 **Impact-driven Person**
Expect my work to have profound impact on society.

🧍 **Curiosity-driven Person**
Firsts adopters of new technologies during with interdisciplinary working teams.

❤ **Persistence & Loyalty**
Despite hard moments, I showed willingness to advance progress during the Research Thesis/Project

STRENGTHS & SKILLS

Hard-working (18/24) Persuasive
Motivator Result-driven Persistent
Curiosity-driven

Mathematical Modelling Inverse Problems
Numerical Analysis Deep Learning (AI)
High Performance Computing

Python, MATLAB, LaTeX, Bash   ●●●●●
HTML, Offices Suites, C++, Docker   ●●●○○

LANGUAGES

Spanish (Native)   ●●●●●
English (C1)   ●●●●○
French (A1)   ●●○○○

WORK

Consultant
Management Solutions

📅 June - July 2019　　　📍 Santiago, Chile

- Consultant of data analytics at a finance oriented firm, the main project was related to credit scoring.

Hands-on Instructor
Universidad de Chile

📅 15-17 January 2019　　　📍 Santiago, Chile

- Instructor at Conference: Inverse Problem Methods, Applications and Synergies (IPMAS)

Assistant & Advisor
Universidad de Chile

📅 August 2018 – December 2018　　📍 Santiago, Chile

- Assistant at the Course: Inverse Problems and Control on Partial Differential Equations.
- Advisor at Calculus Course Project: *Taller dos Relojes.*

Assistant Professor
Universidad de Chile

📅 March 2018 – June 2018　　　📍 Santiago, Chile

- Assistant at the Course: Numerical Methods in Partial Diferential Equations.

OTHERS

Pre-doctoral Scholarship
Universidad *Adolfo-Ibañes*

📅 December 2017　　　📍 Viña del Mar, Chile

- Pre-doctoral School, Economic-based Courses and Facility visits.

M2 Scholarship
Université PSL

📅 September 2019 - June 2020　　📍 Paris, France

- France (2019) *Grant Master de d'excellence* from the Paris-Dauphine University (*Université PSL*).

Prizes
Universidad de Chile

📍 Santiago, Chile

- Chile (2017, 2018) Highlighted Student from the Mathematics Department, FCFM.
- Chile (2013) Best Student at High-School, (6.8/7.0).

REFEREES

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