

# REIDMEN ARÓSTICA B.

## Mathematical Engineer

@ r.a.arostica.barrera@rug.nl    +31-06-4260-7038    Coehoorsingel 2A, 9711BS  
Groningen, The Netherlands    reidmen.github.io/PublicMistakes/    github.com/Reidmen/  
in linkedin.com/in/reidmen-arostica/



## EXPERIENCE

### PhD Candidate

#### Rijksuniversiteit Groningen (RUG)

April 2020 - now    Groningen, The Netherlands  
PhD Candidate, Software development - CFD research group CardioMath  
Tasks: Research on Fluid-Solid Interaction problems for medical applications.  
• Skills: Management, Scientific Computing, High Performance Computing (HPC), Software Development, OOP and Python Programming.

### Consultant

#### Management Solutions

June - Aug 2019    Santiago, Chile  
Tasks: Data analytics and credit scoring at the main private bank of Chile.  
• Skills: SAS software, Microsoft Suite, Credit Scoring Analysis, Statistics.

### Research

#### Universidad de Chile

March 2018 - April 2019    Santiago, Chile  
Employer: PhD.Axel Osses.  
Tasks: Research bone modeling with its applications in ultrasound acquisition.  
• Skills: Scientific Programming, Software Development, Numerical Simulation, Python Programming,  $\LaTeX$ , Numerical Analysis, Mathematical Modeling

### Research Assistant

#### Pontificia Universidad Católica de Chile

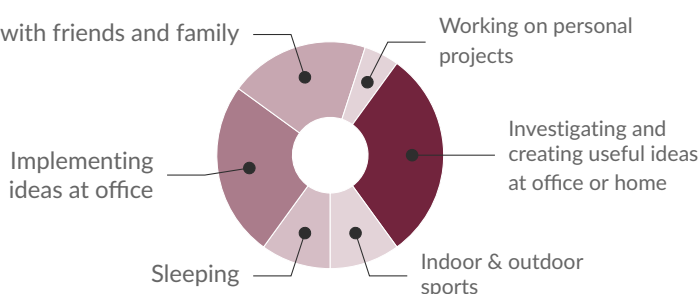
December 2017 - January 2018    Santiago, Chile  
Employer: PhD. Daniel Hurtado. Biomechanics, FEniCS  
• Skills: Programming, Mathematics, Simulation Software

### Research Assistant

#### Center of Mathematical Modelling (CMM), Chile

December 2016 - January 2017    Santiago, Chile  
Employer: PhD. Felipe Tobar. Reinforcement Learning for USD/EUR datasets.  
• Skills: Scientific Software development, Keras library, Python Programming.

## A DAY OF MY LIFE



## EDUCATION

### M2 Mathématiques Appliquées

#### Paris Dauphine Université

September 2019 - October 2020  
Graduated with distinction (7.8/10.0)

### Mathematical Engineering and

#### M.Sc. in Applied Mathematics

#### Universidad de Chile

March 2013 - April 2019  
Graduated with highest distinction (6.9/7.0)

## MOST PROUD OF

**Impact-driven**  
Expect my work to have an impact on society.

**Curiosity-driven**  
Early adopter of new technologies within interdisciplinary teams.

**Persistence**  
Willingness to progress with innovative ideas

## STRENGTHS & SKILLS

Persistent    Motivator    Result-driven  
Curiosity-driven    Persuasive

Mathematical Modelling  
Economics    Python programming  
High Performance Computing

Python,  $\LaTeX$ , Bash    ●●●●●●  
Docker, CI/CD    ●●●●●●  
HTML, MATLAB    ●●●●●●

## LANGUAGES

Spanish (Native)    ●●●●●●  
English (C1)    ●●●●●●  
French (A2)    ●●●●●●  
Dutch (A1)    ●●●●●●

## ACTIVITIES & AWARDS

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### PhD Council

#### Rijkuniversiteit Groningen

📅 March 2022 📍 Groningen, The Netherlands

- Co-founder of the PhD council for the Bernoulli institute. Active participation in board meetings at faculty level and organizer of social events.
- Co-organizer first social event post-covid, prelude to the PhD council.

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### M2 Scholarship

#### Université PSL

📅 September 2019 - June 2020 📍 Paris, France

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

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### Scholarship

#### Universidad Adolfo-Ibañez

📅 December 2017 📍 Viña del Mar, Chile

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

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### 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).

## EXTRAS

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### 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.

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### Hands-on Instructor

#### Universidad de Chile

📅 January 2019 📍 Santiago, Chile

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

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### 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*.

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### Lab Assistant

#### Universidad de Chile

📅 March 2018 - June 2018 📍 Santiago, Chile

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

## REFEREES

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### Prof. Dr. Cristóbal Bertoglio

@ c.a.bertoglio at rug.nl

📍 Nijenborgh 9 - 9747AG Groningen - Netherlands

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### Prof. Dr. Axel Osses

@ aosses at dim.chile.cl

📞 Phone: +56 2 2978 4994

Office: 513 - FCFM, Santiago, Chile

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### Prof. Dr. Jean-Gabriel Minonzio

@ jean-gabriel.minonzio at uv.cl

📞 Phone: +56 3 2260 3738

Office: 2nd - UV, Valparaiso, Chile