

Ignacio Riego

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EDUCATION

UNIVERSITY OF CHILE

MASTER'S IN APPLIED MATHEMATICS

Expected graduation Dec 2020 |
Santiago, Chile

CENTRALE SUPELEC

DOUBLE DEGREE PROGRAM,

GENERALIST ENGINEER

Ago 2017 - Jul 2019 | Paris, France

TEACHING ASSISTANT

UNIVERSITY OF CHILE

Introduction to algebra
Integral and differential calculus
Advanced calculus and applications
Discrete math for computer science

CENTRALE SUPELEC

Convergence, integration, probability and
PDE

SKILLS

PROGRAMMING

Over 5000 lines:

Python • C++ • Matlab • \LaTeX

Over 1000 lines:

Java • Javascript • MySQL • Julia

LANGUAGES

Spanish - Native language

French - Fluent, C1

English - Fluent, C1

Mandarin Chinese - Basic, A2

INTERESTS

Mathematical modeling

Mathematic optimization

Data science

Software development

EXPERIENCE

LIFILED CÔTE D'IVOIRE | SOFTWARE DEVELOPPER INTERN

Dec 2019 - Jan 2020 | Abidjan, Côte d'Ivoire

- 2 month internship in software developpement in an African company seeking to connect rural vilages to the internet.

TCL | ASSEMBLY LINE WORKER

Jul 2018 - Aug 2018 | Chengdu, China

- 2 month internship as an assembly line worker in an electronics factory.

TICLASS | CLASS MANAGER

Apr 2016 - Jul 2016 | Santiago, Chile

- Design and implementation of an introductory course to programming for high school children. Available on YouTube (in Spanish).
<https://www.youtube.com/watch?v=kkeqAjbYCH4>

PROJECTS

CADUCÉE | CO-CREATOR

Jul 2018 - Jul 2019 | Paris, France

Start-up project aiming to develop a medical device capable of quick disinfection through cold plasma. The project was carried out in coordination with the LGPM and EM2C labs. Actively participated in the developpement of the prototype as the leader of a team of 5 students. Was awarded first place in the annual student project competition (2.000 euro prize).

FLUX | CO-CREATOR

Nov 2018 - Jul 2019 | Paris, France

Student project aiming to use mathematical modeling to predict the movement patterns of people in emergency situations. I led the developpement team (5 students in total).

EPIDEMIUM CHALLENGE | TEAM CODER

Aug 2017 - Jun 2018 | Paris, France

Was awarded second place in the nation-wide Epidemium challenge as the lead coder in the team Octopus.

STUDENT ASOCIATIONS

SHARE CHAPTER UNIVERSITY OF CHILE | CORE TEAM MEMBER

Aug 2020 - ongoing | Santiago, Chile

Leading a team of 20 elite students to participate in an international leadership program offered by ShARE.

BDI | MEMBER OF THE BOARD FOR INTERNATIONAL STUDENTS

Fev 2018 - Fev 2019 | Paris, France

In charge of organizing the arrival of 150 new foreign students and their first weeks on campus.

COMPETITIVE PROGRAMMING | TEACHING ASISTANT

Jul 2015 - Jul 2017 | Santiago, Chile

Teaching assistant for chilean high school competitive programming team.