

HEINICH PORRO

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EDUCATION

Universidad de Chile

- Bachelor of Engineering Science in Computing
- Computing Engineering
- Master of Science in Computer Science
- Thesis Project: Delaunay Triangulations for Moving Points Fixed Radius near Neighbors

Santiago, Chile
Mar. 2015 - Jan. 2020
Mar 2017 - May. 2021
Mar. 2020 - May. 2021

Université de Limoges

- Ph.D. in Computer science
- Thesis Project: Dynamic Simulations based on 3D Delaunay Triangulations

Limoges, France
September 2021 - Today

WORK EXPERIENCE

Geophysics Department, University of Chile

Software Eng./Part time dev. (Javascript)

Jul. 2019 - Dec. 2019
Santiago, Chile

- Worked in a team that developed a web platform to visualize natural disasters. I was part of the design and implementation of a tool to improve decision making in the case of an earthquake.

Synopsys Chile Ltda.

R&D Intern (C++/Python)

Jan. 2019 - Feb. 2019
Santiago, Chile

- Worked in CATS software, fixing coverity issues and improving a gdb tool used to debug geometric algorithms.

Geomechanics laboratory, AMTC

Research Intern (Python)

Sep. 2018 - Dec. 2018
Santiago, Chile

- AMTC is the advanced mining technology center dependent of the University of Chile.
- In charge of design and implementation of 3D mesh algorithms (mesh slicing variants) applied to sublevel stoping mining planning.

DISTINCTIONS

Outstanding student years 2019 and 2020. Awarded by the faculty of Physical and Mathematical Sciences of the University of Chile.

ACTIVITIES

Relevant teaching Assistant roles at University of Chile in the following courses:

- Computer Graphics, Design and Analysis of Algorithms, GPU Computing, etc.

2017 - 2021

Teaching roles at University of Limoges in the following courses:

- Unix system programming, Java programming, Concurrent programming, etc.

2022 - 2023

Other Activities

- Extension Director of the Computer Science student council at University of Chile in 2019.

SKILLS

Languages

- Spanish - Native
- English - Proficient
- French - Intermediate