

INTERNSHIP ABROAD

In Santiago de Chile, In software development field

From february to july 2023

MATHÉO BERGER ^{21yo}

Master 2 engineer student - majoring in IT sciences



Education

- 2020-now : 3rd year, engineering cycle at [CESI, Bordeaux](#)
- 2018-2020 : preparatory cycle at [CESI, Bordeaux](#)
Active pedagogy : Problem Based Learning, autonomy, teamwork
- 2016 : Music Studies Certificate, classical piano division at [the Conservatoire de Bordeaux](#)

Tools / Languages

Programming languages

.Net, Python, Java, NodeJS

Database

mongoDB, mySQL, elasticSearch

Devops

Gitlab, Terraform, Packer, Google Cloud
Docker, Kubernetes, VMWare, esxi Github

Experience

September 2021 – February 2022 : Internship abroad, Experteer, Munich, Germany



Migration of an Elasticsearch cluster from local server to Google Cloud Platform (GCP) with Terraform, Packer, Linux shell scripts and Gitlab pipelines. Internship fully in English.



Additionally migrated company's blog website from AWS to GCP.

January 2021 – April 2021 : Internship, Human Real Estate, Bordeaux, France



Implementation of a POC for the IT department of Human Immobilier company proving the good integration of Docker and Kubernetes in a Microsoft environment.



Set up a cluster of virtual machines (following a master-slaves architecture) that can automatically scale the number of containers they host according to the traffic workload.

June 2021: Operational research project in [CESI](#)

Development of an algorithm which gives a solution for the Travelling salesman problem (**NP-Hard**) using **python**. Production of statistics for monitoring the complexity.

June 2021 : Microsoft Software Fundamentals certification

Contact

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Address

Bordeaux, France

Portfolio

[Github](#)
[Instagram](#)
[Bandcamp](#)

Languages

English : fluent
TOEIC certification : 925
Spanish : beginner

References

Thomas Nitsche
CTO at Experteer
thomas.nitsche@experteer.com

Lo-Cascio Fabrice
ISD at Human Immobilier
f.locascio@human-immobilier.fr

Skills

Enjoy teamwork
Pragmatic
Adaptable
Perseverant
Curious

Activities

Piano teacher for four years
Co-chairman of the bike workshop *association atelier étincelle*
Member of the *association the Niel's Farm*