

# MaxencePREVOST

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## Education

### Institut Supérieur d'Electronique et du Numérique

MASTER'S DEGREE IN COMPUTER SCIENCE AND SIGNAL PROCESSING

Lille, France

2010 – 2016

### Universidade Federal de Santa Catarina

MASTER'S DEGREE IN COMPUTER SCIENCE

Santa Catarina, Brazil

2015 – 2016

## Work

### Fretello

MACHINE LEARNING ENGINEER

- Polyphonic music transcription

Remote

03/2020 – Present

### Cloud Linux

MACHINE LEARNING ENGINEER

- Malware script classification, applying NLP to code
- Behavior analysis

Remote

07/2018 – 03/2020

### MCQ Scan

COMPUTER VISION ENGINEER

- Virtual Reality project for retailers (Eram and Leroy Merlin), showcased at Paris Retail Week 2018.

Lille, France

06/2018 – 09/2018

### data-soup.github.io/blog/

MACHINE LEARNING SKILLS ACQUISITION

- Interviewing machine learning experts in medical research, computer vision, NLP and freelancers
- Learning (CS231n & CS224n) and building a portfolio

Europe

02/2018 – 05/2018

### TRAI Systems

COMPUTER VISION ENGINEER (R&D)

- Design and implement new computer vision techniques (C++)

Rotterdam, Netherlands

07/2017 – 01/2018

### Freelance

SOFTWARE DEVELOPER (ASIDE FROM STUDIES)

- Design and maintain decision helper in the stock market area (Java)
- Aggregations, store and statistical analysis of FOREX data (Python/PostgreSQL)

Remote

10/2015 – 08/2016

### Phoceis

DATA SCIENTIST INTERN

- Analysis of solutions for hosting massive amount of geolocation data (Python/Cassandra/MongoDB)
- Installation and performance analysis of MongoDB & Casandra in clustered infrastructures (C#)

Lille, France

05/2015 – 08/2015

## Skills

**Machine Languages:** C++, Bash, Python, ML (TF, Keras), Java

**Languages:** French (native), English (fluent), Portuguese (intermediate), Russian (beginner, learning)

**Server administration:** Co-owner of a dedicated CentOS server since 2015

## Favourite Projects

### Fully Homomorphic Encryption Framework

IMPLEMENTATION OF CRAIG GENTRY'S THEORY OF A FULLY HOMOMORPHIC ENCRYPTION SCHEME

C++

(code shipped on demand)

### Genetic Algorithm Framework

GENETICS' MAIN GOAL IS TO COMPUTE OPTIMISATION PROBLEMS VIA GENETICS ALGORITHMS

Java

github.com/maxpv/genetics