

Summary

I am a fast-learner, and I enjoy computer science and foreign languages. I am constantly looking for new challenges and interesting problems to solve. I am currently doing a dual MSCS Degree and am looking for postgraduate hiring opportunities in North America.

Email g.monod@gmail.com

Phone +33 685 478 044

Github @gusmonod

LinkedIn Gus Monod

Website

<https://gusmonod.me>

Address

17 rue d'Anjou, 92600 Asnières, FR

Work Experience

Data Science Intern

2016
6 months

Internship in **Data Science** at Coorpacademy, Paris:

- Created a **streaming pipeline** analyzing live business data with Spark
- Developed a Machine Learning recommendation engine with TensorFlow
- Designed a scalable and maintainable environment with virtualization and containers



Software Reliability Engineering Intern

2015
4 months

Internship in Large Scale Database **Reliability Engineering** at Google, Dublin:

- Automated the recovery of a complex data drift problem in MySQL at Google scale
- Diagnosed and fixed problems in a big and highly complex code infrastructure
- Developed in a **real production environment** affecting users at large



Deep Learning Software Engineering Intern

2014
3 months

Internship in **Deep Learning** for semantic data in IT security applications at Altran:

- Analyzed **semantic meaning** of data retrieved by a web crawler
- Stored the extracted data as a RDF graph, and analyzed with a neural network
- Performed Deep Learning feature extraction in the collected data (possible passwords)



Big Data Software Engineering Intern

2013
3 months

Internship in **Big Data** at SAP AG in Walldorf, Germany:

- Optimized of the management of a car park for BMW
- Realized of a calculation engine for the Business Intelligence using HBase
- Developed for a **very scalable environment**, with high speed requirements

Interests**Student Engagements**

Student Board Member and Representative

2011-2015
5 years

Engaged in various activities in the school associations:

- Organized a yearly recruiting event with industry leaders (2015)
- Was elected to represent class mates 4 years in a row
- Directed and played in a theater play

Education

Georgia Institute of Technology

2016 - May 2017
1 year

Master of Computer Science - Machine Learning

Dual Degree - Master of Science in Computer Science with **Machine Learning** major:

- Analyzed real world (financial) data with Machine Learning algorithms
- Working with Autonomous Robotics systems
- Developing a Full-Stack mobile Application



National Institute of Applied Science

2013-2017
4 years

Engineering Degree in Computer Science

Dual Degree - Engineering Degree in Computer Science:

- Lead machine learning face recognition and positioning project
- Made compiler **from scratch** (except regex engine) for simple language in C++ (<https://github.com/fat-gyft/lutcc>)



Paris Descartes Institute

2011-2013
2 years

2-year Computer Science Degree

Started higher education in computer science, after high school

Skills**Programming Skills**

Machine Learning

- Algorithms and data structures
- Python (sklearn) or Matlab

Database Management

- MySQL, Oracle SQL
- MongoDB, Redis

General

- Docker, Alpine Linux
- C++, Ruby

Full Stack Development

- React and JSX
- Node.js, Gulp, Jasmine

Hackathons & Competitions

- Realized a 3D modeling software using 3D movements and voice recognition (winning team of fHACKtory 2014)

Spoken Languages

For a long time

English: Fully fluent (TOEFL: 114/120, TOEIC: 970/990)

French: Mother language

Italian: studied 3 years

German: Fluent

Chinese (漢語): studied 2 years

Spanish: studied 1 year