


# Gus Monod

## Software Engineer Student in Data Science

### 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 the San Francisco bay area.

### Work Experience




2016  
6 months

Data Science Intern

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




2015  
4 months

Software Reliability Engineering Intern

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



2014  
3 months

Deep Learning Software Engineering Intern

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)



2013  
3 months

Big Data Software Engineering Intern

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

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

### Interests

#### Spoken Languages

For a long time :-)

**English:** Fully fluent (TOEFL score: 114/120)  
**French:** Mother language  
**Italian:** studied 3 years

**German:** Fluent  
**Chinese (漢語):** studied 2 years  
**Spanish:** studied 1 year

#### Student Engagements

2011-2015  
4 years

Student Board Member and Representative

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

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### Website

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### Education




Georgia Institute of Technology

Jan 2016 - Current

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 of Lyon

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

Technological University (2-year) Degree of Computer Science

Started higher education in computer science, after high school

### Skills

#### Programming Skills

**Machine Learning**

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

**Database Management**

- MySQL, Oracle SQL
- MongoDB, Redis

**General**

- Unix administration
- C++, Ruby

**Full Stack Development**

- Javascript ES6, HTML 5 and CSS 3, React
- Node.js, Gulp, Jasmine
- Java and Android

### Other Activities

#### Hackathons & Competitions

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