

# Gus Monod Software Engineer Student in Data Science

## Summary

I am a fast-learner, and I love 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 internship opportunities in Paris.

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**Website**

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## Work experience




2015  
3 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 huge and highly complex code infrastructure
- Developed in a real production environment affecting a tremendous number of users




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
- Performed Deep Learning allowing recognition of patterns in the collected data



2013  
3 months

Big Data Software Engineering Intern

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 Hadoop HBase
- Developed for a massively scalable environment, with high speed requirements

## Hobbies and 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

## Education

**Georgia Institute of Technology**

Metz - Jan to May 2016  
and Atlanta - Jan to May 2017

Master of Computer Science - Machine Learning

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

- Working with Autonomous Robotics systems
- Developing a Full-Stack mobile Application
- And of course analysing real world data with Machine Learning algorithms

**National Institute of Applied Sciences of Lyon (INSA 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 University 2-year degree (DUT)**

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 (numpy) 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, Angular.js
- 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)