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LinkedIn:// goretanmarco
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Italian Native
French Native
English Proficient (C2)



PROGRAMMING

Proficient

JavaScript • AngularJS • NodeJS
Java • Python • Pandas • SQL

Intermediate

Scala • R • \LaTeX • HTML5 • CSS
C • C++ • Assembler • Matlab
Shell • LUA • Android

SOFTWARE

Proficient

Excel • Sheets • Stata • Matlab
Spark

Intermediate

Unix • R • Google Apps
Office Suite • Sage • Hadoop



- 2017 Econometric game
- 2016 Imagine@epfl winner (Microsoft Hackaton)
- 2015 GRE: verbal 163 • quant 170
- 2015 TOEFL: 111
- 2009 Swiss Physics Olympiad silver medal

Marco Goretti



Research Assistant

Lausanne - CH
2016 - current



Inclusive Social Protection for Chronic Health Problems

- Data analysis in stata and pandas
- Website management
- Data visualisation automation in python

Business Technical Intern

13 weeks
London - UK
Summer 2016



gTech - DoubleClick

- DoubleClick Bid Manager troubleshooting automation
- Improvement of an internal query management tool
- Creation and improvement of analytical queries
- Development of an internal DoubleClick troubleshooting Chrome extension

Software Engineer

1 year
Lausanne - CH
2015



SpeakUp

- Improved and extended a chat application for university classes
- Back-end in nodeJS and mongoDB
 - Web client in AngularJS, D3.js and materialize
 - Android client in java with push notifications
 - Reduced the message database load from $O(n^2)$ to $O(n)$

Teaching Assistant

1 semester
Lausanne - CH
2014



Decision Analysis

- Linear and non-linear programming, decision trees and queueing (theory and simulation)
- Software: Excel, Solver, Precision tree, @risk and Extend
- Responsibilities: office hours and workshops

Business Associate Intern

12 weeks
London - UK
Summer 2014



YouTube - Partner Product Solutions

- Development of an internal tool (web platform and backend pre-cached aggregated tables)
- UX, UI, and backend
- Tech: Dremel (Big Query), AngularJS, html, Google Charts, D3.js



Vice President

Student Society
Lausanne - CH
2016- 2017



The Student Think Tank

- Management of the recruiting in a 30 membres student society
- Coordination between teams
- Technical head (website, videos of events, automation)
- Data Science team (interactive data viz)



MSc Economics

Lausanne - CH
2015- 2017



- GPA - 5.8/6
- Focus on quantitative econometric methods and data science: forecasting and data analysis
- Advanced Databases and Applied Data Analysis at EPFL (Computer Science master classes)
- Master Thesis: "On the Use of Machine Learning Techniques in the Forecasting of Macro Time Series"

EC400

London - UK
2015



- Statistics and Mathematics for Economics

BSc Management

Graduated
Lausanne - CH
2012- 2015



- GPA - 5.4/6 (Class rank: 3rd of 263)
- Focus on Economics and Finance
- Pattern Classification and Machine Learning at EPFL (Computer Science master class)