

VINCENT BALLE

COMPUTER SCIENCE ENGINEER

+1 617 583 35 68 @vincent.ballet@epfl.ch in vincentballet

EDUCATION

École Polytechnique Fédérale de Lausanne (EPFL)

Master in Computer Science, Minor in Management and Entrepreneurship.
Bachelor in Computer Science.

- *Relevant coursework* : Machine Learning, Deep Learning, Distributed Information Systems, Distributed Algorithms, Applied Data Analysis, Data Science in Practice

Lausanne, Switzerland
09.2013 - 06.2019

University of Illinois at Urbana-Champaign (UIUC)

Exchange Program in Computer Science.

Champaign IL, USA
08.2015 - 06.2016

Lycée Massena

High school diploma with highest honors.

Nice, France
09.2010 - 06.2013

EXPERIENCE

Gencores - Founding team - Harvard Innovation Lab

Data mining, development of a recommender system using sales, geographical and customers data using neural networks models.

Boston MA, USA
06.2018 - 09.2018

Junior Entreprise EPFL

Project Manager and head of the IT Department in a team of 34 volunteer students managing more than 175 projects annually with a turnover of 450 k€.

Lausanne, Switzerland
02.2017 - 08.2018

Amadeus

Building new forecast models for plane tickets bookings.
Prototype development.

Sophia Antipolis, France
06.2016 - 12.2016

École Polytechnique Fédérale de Lausanne (EPFL)

Teaching Assistant in different courses.
Helping students get a better grasp of the material. Grading exams.

Lausanne, Switzerland
02.2015 - 06.2018

PROJECTS

Steganographic system using ML (EPFL, MLO Lab)

- Design of a steganographic system to enables two users to exchange encrypted messages without an adversary detecting that such an exchange is taking place.
- Linguistic stegosystem based on a Long ShortTerm Memory (LSTM) neural network.

Lausanne, Switzerland
09.2017 - 02.2018

Road Segmentation using ML (EPFL, Kaggle rank best 10%)

- Classification of pixels from satellite images into roads or background.
- Convolutional neural network inspired from biomedical image segmentation U-Net.

Lausanne, Switzerland
09.2017 - 02.2018

Mobile applications development

Development of two iOS apps during extra time.

Champaign IL, USA
08.2015 - 06.2016

SKILLS

Programming

Python (scikit-learn, PyTorch, NumPy, SciPy, pandas, matplotlib)
SQL, Java, C/C++, Objective-C, Scala, LaTeX, HTML/CSS/JS, Laravel.

Software

Git, Tableau, Microsoft Office, Adobe Suite.

Languages

Bilingual in french and english, german basis.

AWARDS AND ACHIEVEMENTS

Associative

- Best European Junior Enterprise, 2018.
- Best Swiss Junior Enterprise, 2017.

Sporting events

- Paris Marathon finisher, 2017.
- Alpes Maritimes Marathon finisher, 2017.

REFERENCES

Dr. Schinz (EPFL) - Prof. Davison (EPFL) - Prof. Marinov (UIUC) - Prof. Argyraki (EPFL) - M. Cimolino (Amadeus) - M. Thiery (Gencores)
All the recommendation letters are available on demand