VINCENT BALLET
COMPUTER SCIENCE ENGINEER

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EDUCATION

École Polytechnique Fédérale de Lausanne (EPFL)
Master in Computer Science, Minor in Management and Entrepreneurship.
Bachelor in Computer Science.
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

Fōda, Co-founder and CDO
Foda is an app that suggests the perfect bar or restaurant to have a good time effortlessly considering who you're going with, you tastes, cravings, habits and your network's best findings.
Paris, France
02.2019 - Present

AXA - REV/Research team
Definition of adversarial examples in the context of tabular data along with LowProFool, an algorithm to craft them. Paper published at NeurIPS 2019 Workshop. https://arxiv.org/abs/1911.03274
Paris, France
02.2019 - 09.2019

Gencores, Founding team, Harvard Innovation Lab
Data mining. Data visualization.
Worked with generative adversarial networks.
Boston MA, USA
06.2018 - 10.2018

Junior Entreprise EPFL
Project Manager and head of the IT Department in a team of 34 volunteer students managing more than 175 projects annualy 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

SKILLS

Programming	Python (scikit-learn, PyTorch, NumPy, SciPy, pandas, matplotlib), SQL, Java, C/C++, Swift/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

July 27, 2020