

# VINCENT BALLE

## COMPUTER SCIENCE ENGINEER

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After an amazing chapter as an entrepreneur, I am looking for my next stimulating professional experience as a product manager or solution engineer in an ambitious company with strong impact.

### EXPERIENCE

#### FODA

Paris, France  
10.2018 - 09.2020

Mobile app featuring AI powered recommender system for bars and restaurants.  
Reached 3500+ users with a 30% retention at 30 days, in 18 months.

##### Co-founder and Chief Product Officer

- Decision making role in business and product strategic analysis and choices.
- Designed the brand, the UI/UX of the website and mobile apps, pitch-decks.
- Supervised and developed Android and iOS apps from scratch. Excellent rating (4.8/5).
- Supervised and produced a video ads campaign for social media (CAC of 1.75€).
- Partnered with 18 influencers and 10 bars/restaurants to spread Foda and organise giveaways

#### AXA - REV/Research

Paris, France  
02.2019 - 09.2019

AXA Research team carrying out research on the relationship between humans and AI.

##### Adversarial Machine Learning research intern

- Proposed a definition of adversarial examples in the context of tabular data.
- Created LowProFool, an algorithm to craft tabular adversarial examples.
- Published a paper (first author) at NeurIPS 2019 workshop. <https://arxiv.org/abs/1911.03274>.

#### GENCORES

Boston MA, USA  
06.2018 - 10.2018

3D-Printing startup focusing on innovative materials.

##### Data scientist, founding team

- Developed a computer interface for the printer (backend, frontend).
- Generated surfboard shapes using generative adversarial networks.

#### JUNIOR ENTERPRISE EPFL

Lausanne, Switzerland  
02.2017 - 06.2018

Student organization operating as a consulting firm in the engineering sector. Turnover: 450k€.

##### Project Manager and Head of the IT Department

- Managed 10 projects generating CHF20k+, outsourcing clients' needs with students' skills, negotiating with clients, recruiting students and tracking the project with quality control of the deliverables.
- Provided IT expertise on more than 50 projects of my peers.

#### AMADEUS

Sophia Antipolis, France  
06.2016 - 12.2016

Leading travel technology company

##### Software development intern

- Built live-data forecast models to setup the right price in the market that optimize airline revenue.
- Developed a prototype (python) to evaluate the impact on the system reactivity.

#### ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL)

Lausanne, Switzerland  
02.2015 - 06.2018

##### Teaching assistant, various courses

- Prepared and supervised exercise sessions for the students to get a better grasp of the concepts.
- Graded exams and homework.

### EDUCATION

#### ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL)

Lausanne, Switzerland  
09.2013 - 02.2019

- Master in Computer Science. Specialization in Data Science.
- Minor in Management and Entrepreneurship.
- Bachelor in Computer Science.

#### UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN (UIUC)

Champaign IL, USA  
08.2015 - 06.2016

- Exchange Program in Computer Science.

### SKILLS

**Programming** Python, Swift, Kotlin, Java, C/C++, Objective-C, Scala, HTML/CSS/JS.  
**Languages** Bilingual in french and english, german basis.

### AWARDS AND ACHIEVEMENTS

- Best European Junior Enterprise, 2018. Best Swiss Junior Enterprise, 2017.
- Paris Marathon finisher, 2017. Alpes Maritimes Marathon finisher, 2017.

### REFERENCES

Dr. Detyniecki (AXA) - Dr. Thierry (Gencores) - Pr. Davison (EPFL) - Pr. Marinov (UIUC) - Pr. Argyraki (EPFL) - M. Cimolino (Amadeus)