

# George Fotiadis

MASTER'S STUDENT IN COMPUTER SCIENCE

Ecublens VD, 1024, Switzerland

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## Education

### EPFL (École Polytechnique Fédérale de Lausanne)

Lausanne, Switzerland

COMPUTER SCIENCE

Sep. 2016 - PRESENT

- 2020 – Present: Master's in Computer Science, GPA 5.2/6
- 2016 – 2020: Bachelor's in Computer Science

## Professional Experience

### Percent Labs

Lausanne, Switzerland

Co-FOUNDER & CEO

Feb. 2021 - Present

- I am one of the two Co-Founders of **Percent Labs**, focusing on the business side of the startup
- I also designed and implemented the core features of the MVP
- Currently in the process of acquiring our first customers and discussing with investors

### Bloomberg L.P.

London, UK

SOFTWARE ENGINEERING INTERN

Jul. - Sept. 2020

- Designed and implemented an asynchronous data pipeline for Solr document ingestion using Apache Kafka
- Rewrote an entire C++ service in Python
- Reduced end-to-end system latency by approximately 30% in early testing

### Kudelski Group

Cheseaux, Switzerland

DEEP LEARNING AND BIG DATA ANALYSIS INTERN

Jul. - Sept. 2019

- Analyzed logs from various sources to construct a scalable, real-time anomaly detection system
- Built a benchmark to evaluate different models' performance
- Created a template for generating new models that are compatible with the rest of the pipeline
- Created a new model that reduced training time by 45%, while improving accuracy by 8%

### Teaching Assistant

EPFL, Switzerland

VARIOUS COURSES

Feb. 2019 - Jun. 2021

- Introduction to Database systems
- Internet & Code for girls

## Other Projects

### Learned range locks

EPFL

MAIN RESEARCHER

Sep. 2021 - present

- Goal: Replace existing lock-decision mechanisms in the kernel with a machine learning model
- Modified the kernel to collect thread lock acquisition data
- Benchmarked various ML models to compare their performance with existing implementations
- **This work is being prepared for publication**

### NLP powered news bot

EPFL

DEVELOPER

Jan. 2021 - June 2021

- Created a twitter bot that, given an article, returns other articles covering the same topic but from different perspectives
- Implemented, combined and tested numerous state-of-the-art deep learning models
- Created a novel evaluation pipeline to compare the different models
- **This work is being prepared for publication**

### Computer Vision Bachelor thesis

EPFL

MAIN RESEARCHER

Sept. 2019 - Jan. 2020

- Designed and built a Deep Learning model that counts fish inside fish tanks
- First time that machine learning was used for this problem
- Outperformed the then state-of-the-art by 14% in terms of f1 accuracy

## Skills

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**Languages** Fluent in English, French & Greek

**Programming** Python, Java, C, SQL, Scala, React, C++, Go (Golang)

**Tools and Frameworks** Apache Spark, Kafka, Tensorflow, Keras, Solr, PySpark, ElasticSearch, Pytorch, Android, Agile Scrum

## Competitions

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### Laushack 5.0

SECOND PLACE IN OVERALL RANKING

*EPFL, Switzerland*

*Nov. 2020*

### Laushack 4.0

LOGITECH CHALLENGE WINNERS, ORGANIZERS AWARD WINNERS

*EPFL, Switzerland*

*Nov. 2019*

### ACM SIGMOD

28TH IN THE WORLD

*EPFL, Switzerland*

*Mar. 2020 - Apr 2020*

### Google Hashcode

13TH IN SWITZERLAND

*EPFL, Switzerland*

*Mar. 2019*

### Other Competitions

- GSA ULTRA (2019)
- START HACK (2018)
- BLOOMBERG MARTIAN CHALLENGE, 4TH PLACE (2017)
- BLOOMBERG CODECON (2017, 2018)

*Switzerland*

## Fun Facts

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**Favorite movie** Mamma Mia!

**Favorite course** Topics on Datacenter Design

**Hobby** I'm a very solid cook if I dare say so!

**Website** I actually have a pretty [cool website](#)

**Focus** My current focus is serverless computing and distributed machine learning systems