# Mokhles Bouzaien

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## KEY STRENGTHS

A self-motivated, hardworking graduate engineering student at IMT Atlantique (ex Télécom Bretagne) in Brest, France; currently doing a Computer Science exchange semester at ETH Zürich. I seek a 6-month internship position, starting from February/March 2021, that will allow me to explore career options in Software Development/Data Science sector.

## EDUCATION

**ETH Zürich**                                                                        **Zürich, Switzerland**
*Computer Science Mobility • $3^{rd}$ and last year*                                   *Sep. 2020 - Feb. 2021*
Concepts of Object-Oriented Programming, Computer Vision, Natural Language Processing, Reliable and Interpretable Artificial Intelligence.

**EURECOM - Graduate School & Research Center**                                        **Sophia-Antipolis, France**
*Master in Data Science and Engineering • $2^{nd}$ year*                               *Sep. 2019 – Jun. 2020*
Cloud Computing; Database Management System; Machine Learning; Deep Learning. GPA: 3.89/4

**IMT Atlantique (formerly Télécom Bretagne)**                                         **Brest, France**
*Master of Science in Engineering "Diplôme d'Ingénieur" • $1^{st}$ year*               *Sep. 2018 – Jun. 2019*
Common core courses: Applied Mathematics, Electronics & Sensors, Information Technology, Physics.

**Institut Préparatoire aux Etudes Scientifiques et Techniques**                       **Tunis, Tunisia**
*Scientific Preparatory Classes: Mathematics and Physics*                              *Sep. 2016 – Jun. 2018*

## ACADEMIC PROJECTS

**Traffic Signs Detection and Classification (ML, NNs, OpenCV)**                       *Nov. 2019 – Jan. 2020*
- Generate fake data, preprocess input data and build a training Neural Network architecture.
- The model classifies unseen (European) traffic signs with an accuracy of 83% (link).

**Identify and Shoot (Operating Systems, C, Linux)**                                   *Nov. 2019 – Jan. 2020*
- Building a robot that shall be playing an identify and shoot game (description).
- Finishing at the second position (out of 5) after the final competition (link).

## PROFESSIONAL EXPERIENCE

**EURECOM**                                                                            **Sophia-Antipolis, France**
*Data Science Trainee*                                                                 *Jul. 2020 - Aug. 2020*
Using the "ViLBERT: Pretraining Task-Agnostic Visiolinguistic Representations for Vision-and-Language Tasks" code made available by the authors for the task of video memorability, which is a regression task requiring to predict how memorable a video is to viewers.

**Imeon Energy**                                                                       **Brest, France**
*Software Development Trainee*                                                          *Feb. 2019*
- Software Development: Realization of specific modules to monitor solar panels usage.
- Web Development: Designing, implementing and managing a graphical interface (HTML5, JQuery, SQLite).

## LANGUAGES & TECHNOLOGIES

**French**: Fluent                **English**: Fluent (IELTS 7/9)                **Arabic**: Native
**Programming Languages & Tools**: Python, SQL, Java, HTML, Javascript, Git, MATLAB, Scikit, OpenCV, Spark

## POSITIONS OF RESPONSIBILITY

**French Summer School Counselor**, IMT Atlantique                                     *Aug. 2019*
**Treasurer of International Students Office (ESN Télécom Bretagne)**, IMT Atlantique   *Jan. 2019 – Jun. 2019*

## HOBBIES

**Volleyball**: 2 years in school team and 1 year in local club. National competitions: Cartel Albi, Challenge Centrale Lyon.
**Math Competitions**: Finalist of International Championship of Mathematics and Logics Games 2011, 2014 & 2015 in Paris.