

Data Mining / Machine Learning Expert

– Curriculum Vitae compiled on 20th April 2020.

PERSONAL DATA

Name Edouard Fouché
Birth 29th November 1992
Nationality French
Website <https://edouardfouche.com> (incl. detailed CV)
Find me on LinkedIn , Google Scholar, Instagram
Availability from November 2020



SKILLS

Expertise **Data Mining / Machine Learning**, Algorithms, Visualization
Languages **French** (Native) – **English, German** (Both with full proficiency)
Programming **Python** (~6 years), **Scala** (~4 years), **R** (~3 years). Prior Exposure: Java, C, C++
Soft skills Leadership, Intercultural Communication, Agile Methodology, Lean
Familiar with Git, Linux, Databases, LaTeX, Adobe & Office Suite, Learning virtually anything

WORK EXPERIENCE

2016-2020 **Researcher at the Karlsruhe Institute of Technology (KIT)**, Germany.
– Created 5 major algorithms: MCDE, S-MAB, kj-NN, SGMRD, AnyGrad.
– Supervised 10 student theses (Master/Bachelor level).
– Worked with 2 labs (UIUC, U of Tokyo) and 2 industry partners.
– Published 6 papers + currently 5 manuscripts in preparation / under review.
2015-2016 **Working student at IBM R&D GmbH**, Böblingen, Germany.
– Created *ibmdbpy*, an open-source interface between Python/Databases, which became the topic of my master's thesis at KIT, written in collaboration with IBM.
2014-2016 **Working student at KIT**, Germany.
– Teaching assistant for the lecture “Customer Relationship Management” and the Data Mining lab courses.

UNIVERSITY EDUCATION

2016-2020 **Ph.D. (Dr.-Ing.) in Data Mining** at the Karlsruhe Institute of Technology (KIT), advised by Prof. Dr.-Ing. Klemens Böhm – Thesis: “Estimating Dependency, Monitoring and Knowledge Discovery in High-Dimensional Data Streams”.
2015-2016 **Master of Computer Science (M. Sc.)** at the Karlsruhe Institute of Technology (KIT). Graduated with 1.4 German GPA (Very Good).
2010-2015 **Diplôme d'Ingénieur (Dipl. Ing. / M. Sc. Engineering)** at ESIEE Paris. Major: Computer Science. Graduated with highest honours and special distinction.

HONORS & AWARDS

2019 **Best Paper Award** at Scientific and Statistical Database Management (SSDBM).
2018 **Software Campus**: Selected Participant in the program.
2015 **Parcours d'Excellence** ESIEE Paris 2015 (Category: International).

PERSONAL INTERESTS

Photography (analog & digital), traveling, hiking, roller derby.