PIERRE DORGE

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Kaferhölzstrasse 54

Zürich, Switzerland

EDUCATION

EIDGENOSSISCHE TECHNISCHE HOCHSCHULE ZURICH, ETHZ — Zurich, ZH ,Switzerland

Master of Science in Computer Science — 2021-

• **Major :**Machine Intelligence, minor in Information Security

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE, EPFL — Lausanne, VD, Switzerland

Bachelor of Science in Commmunication Systems — 2017-2020

• **Mentoring and Team Work:**Teaching assistant in the Computer Architecture course

WORK EXPERIENCE

LLEED AND PARTNERS, Digital Consulting — Geneva, GE, Switzerland

Co-Founder / Technology — 06/2020-

• **Task:**Co-founded a digital consulting firm, working with large multinational companies contributing to their digital transforma- tion, with references such as Louis Dreyfus Company and Rio Tinto. Our projects involved optimizing metals sales and processing unstructured data for OTC trading. www.lleedpartners.com

Louis Dreyfus Company, Commodities Merchant and Trading — Singapore, Singapore and Geneva GE, Switzerland

Junior Data Scientist Engineer — 06/2019-03/2020

• **Task:**Developed internal web applications involving data aggregation, natural language processing and more. My work in the field of FFA trading led to starting my company in which LDC and Rio Tinto are clients

ECCO2 Solutions AG, Energy Optimization Startup — Givisiez, FR, Switzerland

Junior Software Engineer — 08/2019-09/2020

• **Software Architecture:**Contributed to designing the architecture of a complex software solution involving IoT in C# using the .Net Framework.
• **Software Development:**Developed some back-end components for user management and real-time data feeds aggregation from thousands of wireless sensors in C# using the .Net Framework.

Junior Entreprise EPFL — Lausanne, VD, Switzerland

IT Consultant — 06/2019-09/2020

• **Task:**Worked on 2 projects, designed the NO SQL database architecture and developed web applications using React JS and Node JS.

Energisme, Energy Optimization Startup — Bourlogne-Billancourt 92, France

Summer Software Developer Intern — 08/2018-09/2018

• **Task:**Developed a web tool to generate Finite State Machines for graphics animations

ACADEMIC PROJECTS

Align Technologies, Dental Med-tech Company   Zurich, ZH, Switzerland
Computer Vision Research Intern – Masters Semester Project at ETHZ   03/2022 – 07/2022-
• **Task:**Using computer vision techniques and machine learning to analyze 3D scans of teeth in order to identify dental illnesses

Miraex, Quantum Technology Startup   Lausanne, VD, Switzerland
AI research Intern – Bachelor Thesis Project at EPFL   02/2020 – 07/20200
• **Model Development:**Performed pattern detection on acoustic signals using signal processing methods such as Wavelet Transform analysis and machine learning models such as SVMs, auto encoders and convolutional encoders.

COURSEWORK/SKILLS

• **Mathematics:**Calculus, Linear Algebra, Information Theory, Signal Processing, Discrete Mathematics, Set Theory, Algebra, Algo- rithms, Statistics, Probability Theory, Stochastic Processes, Computational Statistics, Computational Intelligence Lab

• **Computer Science:**Advanced Machine Learning, Probabilistic Artificial Intelligence, Parallelism and Concurrency, OO Program- ming, Functional Programming, Database Systems, Computer Architecture, Network Security, Theory of Computation, Visual Computing, Digital Signatures

• **Programming:**C, R, Python (Django and data science libraries), Java, SQL, Scala (and Spark), C# (.NET), Javascript (React Js, Node Js), SQL, Assembly, LaTex

ADDITIONAL INFO

• **Personal Interests:**Blockchain, Politics, Music, Study of Latin and Ancient Greek.

• **Activites:**Classical Guitar and Solfeggio in regional conservatory with DEM and CEM state certificates (9 years of practice and ability to teach), Tennis, Soccer, Hiking, Chess

• **Languages (speaking and writing):**French (Native), English (Native), Spanish (B1)