

Sixte DE MAUPEOU

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EDUCATION

OCT. 2015 - JUN. 2019	IMPERIAL COLLEGE, London <i>Masters of Engineering in Computing - AI and Machine Learning, first class honors</i> Thesis: Black-box evasion attacks against state-of-the-art object detection and semantic segmentation models (90/100)
JUN. 2015	LYCÉE FRANKLIN - SAINT-LOUIS DE GONZAGUE, Paris <i>French scientific baccalaureate, highest honors</i>

WORK EXPERIENCE

FREELANCE, Remote Mar 2021 - Feb 2022 Mar 2021 - Feb 2022 Jan - Feb 2021	Machine learning and data science consultant Data engineer for data.gouv.fr . Improving the quality of French government open data. Data scientist for TotalEnergies . Improved data pipelines (Spark, Pandas), MLOps (MLflow, Databricks) and machine learning models (Scikit-learn, LightGBM) to better detect and prevent spillage on oil & gas rigs. Product & ML Consultant for Panakeia .
PANAKEIA , London Oct 2020 - Dec 2020 Sep 2019 - Sep 2020	Product Manager Consultative and tech advisory role working with external stakeholders to iterate development a JavaScript web interface. Driving the development of the software based on product and business requirements. Machine Learning Engineer: applied research & product Built a scalable pipeline for training and evaluation of various deep learning models for breast cancer diagnosis with image segmentation (Typescript/React frontend, Python API with dockerised Pytorch and Tensorflow training service running on GCP). Led the development of an annotation and visualisation platform for very high resolution images (Typescript/React, CSS frontend, Python backend).
BLOCKCHAIN , London Jul 2018 - Nov 2018 Oct 2017 - Jun 2018 Summer 2017	Software Engineer Created a backoffice for all custodial services of Blockchain (React, CSS & Kotlin). Developed and released new crypto wallet progressive webapp. (React, JavaScript, CSS) Software Engineering Intern Implemented a Blockchain solution for B2B and B2C Bitcoin payment processing on mobile (JavaScript, CSS).
FREELANCE, Remote Spring - Summer 2019 Summer 2016	Consultant and full stack developer Contributed to the development of a webapp (Vue, Node.js, JavaScript, CSS, MongoDB) for Parkours Created a spirits database for Pernod Ricard

PUBLICATIONS

CCS 2019	Procedural Noise Adversarial Examples for Black-Box Attacks on Deep Convolutional Networks KT Co, L Muñoz González, S de Maupéou, E Lupu
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PROJECTS

WINTER 2021	Ex Machina : Blog to democratise AI.
SPRING 2019	Baiotech : Alzheimer and ovarian cancer detection via machine learning on biomarkers data.
JANUARY 2019	Football exchange , Smart contract powered football players trading app. Offenseval 2019 , Tweets classification competition.
AUTUMN 2017	Etheroscope , Ethereum smart contracts explorer.
JUNE 2017	Voix , iOS messaging app using Google API for speech to text transcription.

COMPUTING SKILLS

Elementary:	C++, VUE, SOLIDITY, MONGODB, GRAPHQL, REACT NATIVE, BASH, CIRCLECI, AZURE, AIRFLOW
Intermediate:	C, HASKELL, SQL, NODE, KOTLIN, PYTORCH, KERAS, TYPESCRIPT, DOCKER, FLASK, AWS, SPARK, DATABRICKS
Advanced:	HTML, CSS, JAVA, REACT, JAVASCRIPT, PYTHON, NUMPY, TENSORFLOW, GCP, PANDAS, MLFLOW

LANGUAGES

Native	Fluent	Intermediate
FRENCH	ENGLISH	GERMAN, SPANISH, ITALIAN

ACTIVITIES

Gymnastics and parkour - Tutoring - Volunteering - Hitchhiking - Hackathons - Scout leader