Sixte de Maupeou

Phone: +44 (0)7843841532   email: sixte@demaupeou.com   Linkedin   GitHub

Education

Oct. 2015 - Jun. 2019	**Imperial College**, London *Masters of Engineering in Computing - AI and Machine Learning, first class honors* Modules include: Maths for ML, Deep Learning, ML for Imaging, Reinforcement Learning, NLP Thesis: Evasion attacks against latest object detection and semantic segmentation models
Jun. 2015	**Lycée Franklin - Saint-Louis de Gonzague**, Paris *French scientific baccalaureate, highest honors*

Work Experience

Panakeia, London Sep 2019 - Present	**Machine Learning Engineer: applied research & product** Developing deep learning computer vision models for breast cancer detection, segmentation and classification at scale.
Blockchain, London Jul 2018 - Nov 2018 Oct 2017 - Jun 2018	**Software Engineer** Created of a backoffice for all custodial services of Blockchain. Implemented Bitcoin Cash support, buy Bitcoin feature and released new crypto wallet.
Summer 2017	**Software Engineering Intern** Implemented a Blockchain solution for B2B and B2C Bitcoin payment processing.
Freelance, Remote Spring 2019 Summer 2016	**Consultant and full stack developer** Developing a webapp (Vue, Node.js, 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 Maupeou, E Lupu, arXiv:1810.00470

Awards

October 2018	Winner of "Netcraft: cryptocurrencies for fun and profit" hacking competition at Imperial.
November 2017	2nd place at Blockchain internal hackathon.
February 2016	Prize for the best development tool at ICHack. 3rd place at Hack@Brookes.
March 2015	Award of excellence at Harvard Model Congress Europe.

Projects

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.
Summer 2017	**Startups eye**, Promising UK startups blog.
June 2017	**Voix**, iOS messaging app using Google API for speech to text transcription.
November 2016	**Skybreak**, mobile game using Skyscanner flights data.
March 2016	**Introduction to Hopfield neural networks**, website reflecting research on Hopfield networks.

Computing Skills

Elementary:	C++, Vue, Solidity, MongoDB, GraphQL
Intermediate:	C, Haskell, mySQL, Swift, Node, Kotlin, Bash, Pytorch, Tensorflow, Keras
Advanced:	HTML, CSS, Java, React, JavaScript, Python

Languages

Native	Fluent	Intermediate
French	English	German, Spanish, Italian

Activities

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