OTHMANE MACHROUH

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EDUCATION

Panthéon Sorbonne University - Paris, France   *September 2020 - 2022*
Master's degree in Applied Mathematics
Advanced Statistics and Probabilities, Econometrics, Data Analysis and Mining, Convex Optimization and Analysis, C++ and Python programming, Algorithms and Data Structures, Statistical Learning, Algebraic Topology, Microeconomics
Minors : Economics

Pierre and Marie Curie University - Paris, France   *September 2017 - June 2020*
Bachelor's degree in Mathematics
Linear Algebra, Topology, Probability theory, Statistics, Partial and ordinary differential equations, Markov Chains and Stochastic Processes, Measure theory, Group Theory and Abstract Algebra, Python, Algorithms
Activities : Tutoring for freshmen and sophomores.
Grade: With honours

Al Hanane High School - Agadir, Morocco   *September 2014 - June 2017*
Baccalaureate degree - Mathematics
Mathematics, Physics & Engineering Sciences
Activities : Member of the Computer Science club
Grade: With high honours (Très Bien)

EXPERIENCE

National Center for Scientific Research (CNRS) - Paris, France   June 2020 - September 2020
Statistician, Internship

· Checking the consistency between internal and external data.
· Statistical data analysis and engineering.
· Automating statistical processes and data mining/scrapping.

MWA.ma - Remote   May 2019 - August 2019
Software Engineer, Internship

· Assist in the rewriting of the authentification system as well as building the voting platform for the competition.
· Participate in taking architectural decisions about the project.
· Technologies used : Python, PostgreSQL, Docker, Git...

Synergie Media - Agadir, Morocoo   June 2018 - August 2018
Front-End Developer, Internship

· Collaborating with the agency on a number of clients projects.
· Working in close association with product designers to find the most optimal solution (A/B tests, Product research...)
· Technologies used: HTML, SCSS, Bootstrap, ReactJS, Sketch, Git

SKILLS

Computer Languages	Python, SQL/NoSQL, HTML, JavaScript/TypeScript, C++ (beginner level)
Software & Tools	Office Suite, Git, Docker, Adobe Creative Suite
Languages	French (fluent), English (fluent), Arabic (native)

EXTRA-CURRICULAR

Active member of KryptoSphere, a student association specialized in the blockchain technology & crypto-assets (meetups, trainings)

Aikido (8 years of practice)