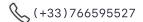
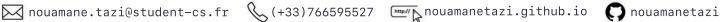
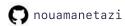
Nouamane Tazi

AI & FullStack Developer







Relevent Experience

AI & FullStack Developer @ Paris Digital Lab

Feb 2020 - Present // Paris, France

Agile prototyping at the @ParisDigitalLab Incubator, developing three minimum viable products in a 7-week constraints for three different real-world companies, using scrum methodology.

♦ Project 1: @ ALSTOM

Implementing BERTQA for machine reading comprehension (MRC) on a large dataset of technical documents.

Researcher @ CentraleSupélec Research Track (CS+R)

Sep 2018 - Present // Paris, France

- Advisor : Dario Prandi.
- Project : Coding a ResNet to help explaining geometric visual hallucinations.
- Skills: Expertise in thematic scientific research, development of experimental skills and techniques, theoretical approaches and digital simulation, written and oral communication skills, teamwork and conducting a research project.

IT President @ Math&Maroc

Sep 2019 - Present

Managing an IT Team on various automatic tasks. Founded by previous International Mathematical Olympiad (IMO) contestants, Math&Maroc is a nonprofit organization which helps brilliant moroccan students prepare for international math competitions.

Math Tutor @ Math Summer School - CentraleSupélec

Aug 2019 // Vichy, France

Teaching international students the prerequisites needed for math in CentraleSupélec:

- Real analysis: limits, derivative, Taylor series, integration, linear differential equations, metric topology, real series.
- Algebra: equivalence relations, definition of groups, rings, fields. Vector spaces (the abstract point of view), matrices, determinants. Polynomials and rational fractions. Reduction of endomorphisms, and bilinear algebra. All this is theory-oriented.

Co-Founder of CentraleSupélec's Al Club @ Automatants

Dec 2018 // Paris, France

Part of the founding team of "Automatants" the Al club of CentraleSupélec.

Skills

ML & Data Science: Scikit-learn, Tensorflow, Keras, Tensorboard, PyTorch, Pandas, OpenCV

FullStack: React, Node.js, Express, AnimeJS, React-spring, Vue.js, PHP,

Others: Git, Gitlab, SQL, MongoDB, Docker, Adobe Photoshop, Adobe

Ilustrator, Scrum Methodology

Most Proud Of

- French Government Scholarship of Excellence awarded to the first 10 candidates of the french Grandes Ecoles' contests.
- Talk at Discovery Palace presenting my researh project to a wide spectrum of ages, in a simple and interactive way.
- Each and every one of my projects.

Education

Engineering studies @ CentraleSupélec

2018 - now // Paris, France

In-depth learning of computer science, general physics and mathematics. As well as acquiring project developping and managment skills.

Advanced mathematics, physics and engineering classes "prépa"

@ Moulay Youssef Highschool 2016-2018 // Rabat, Morocco

Intensive courses in Maths, Physics and Computer Science preparing for the french Grandes Ecoles.

Projects

NLP Project

Jan 2020 // Paris, France 😱



Topic Modeling using LSI, LDA and NMF methods to determine the dominant topics in a bundle of research papers, and finding the most relevant paper for each topic, after retrieving the data from the web and preprocessing it.

Portfolio Website

Jan 2020 // Paris, France 😱



A portfolio website built using React, GatsbyJS, AnimeJS and React-Spring for animations, and Docker

Autonomous Driving Robot @ CentraleSupélec

Nov 2019 // Paris, France M 😱



Programming a Robot using a Raspberry Pi, an Arduino Uno, a Pi Camera and an Ultrasonic Sensor.

Pictionary

Sep 2019 // Paris, France ₩



Web App built with React, Node.js, Express, MongoDB, Docker where one user draws a word and the other users should try to guess it.

Machine Learning Project @ EDF x CentraleSupélec

June 2019 // Paris, France

- Preprocessing enormous amount of data provided
- Use various ML methods to predict the power.
- Present the solution to the client in a clean way. (An app and website prototypes were delivered)

Extracurricular Activities

- Volunteering at AMGE-Caravane by giving a series of Talks in five moroccan cities to prépa students aiming to help them prepare for the french Grandes Ecoles' contests.
- Pianist since age 8.