Jonathan Sands
Master 1 data and artificial intelligence student

Motivated AI student with a passion for machine learning and new technologies

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EDUCATION

Master in AI
ESILV
09/2019 - Present   *Paris, France*

Undergraduate in Computer Science and Software Engineering
EPITA
09/2016 - 07/2019   *Paris, France*

Exchange programs
BJTU & UBB

WORK EXPERIENCE

Energy optimization using data science
Eiffage Énergie Systèmes
10/2020 - 03/2021
Eiffage S.A. is a French civil engineering construction company. This is a school project in collaboration with the energy system branch of Eiffage.

Website developpement (front and back)
Entreprise Faugeras
2020

SKILLS

AI / Optimization / Data science
Statistical models (Linear regression, logistic regression, discriminant analysis, random forest, boosting), ACO, PSO, Evolutionary algorithms, Deep learning, Deep reinforcement learning (OpenAI Gym), Unsupervised learning, EDA

Computer Science / Software engineering
Data structures, Database Mangament, Object Oriented Programming, Computer Architecture, Operating System, Cloud and virtualization, Design patterns, Data Analysis, Continuous Integration

Science
Statistics, Calculus, Mathematical Analysis, Fluid Mechanics, Classical Mechanics, Numerical Analysis, Inferential Analysis, Dynamical systems, Optimization techniques

PROGRAMMING TOOLS / LANGUAGES

C | C++ | C# | Python | R | Linux | Git | jupyter notebook | Scikit-Learn | Pytorch | Fastai | Docker | Django | Qt | WPF | Shell scripting | MySql / PostgreSQL | Java | Tensorflow | Assembly | Jekyll | HTML/CSS

PERSONAL PROJECTS

Optical Character Recognition program in C (2017)

Various AI models
- Vision, NLP, Collaborative filtering etc.

Writing a shell from scratch in C (2018)
- https://github.com/Jonathan2021/Shell

Experimental Rocket (2020)
- School's aerospace association project

Problem Solving
- leetcode, kaggle

Websites
- Django, Jekyll

CERTIFICATES

TOEFL (2019)
633 / 677

TOEIC (2019)
975 / 990

Bac, french national highshool exam (2016)
18 / 20 average in Science subjects

LANGUAGES

French
Native or Bilingual Proficiency

English
Full Professional Proficiency

INTERESTS

Sports | Space news | Traveling | New technologies | AI | Problem Solving