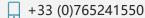


Zihao-Éric GUO



Paris, France



Welcome to my homepage

IT SKILLS

Python (NumPy, Pandas, Sklearn, PyTorch, Plotly), R, C/C++, NoSQL, MATLAB, Power BI, Catia, CAD

Mathematics for engineers, Algorithms & Programming, Physics and Fluid Dynamics, Databases, Management, Profitability of progress tools, Data Science Machine Learning, Optimization, Signal and Systems, Robotics, Biological and medical aspects of human health

LANGUAGES

Chinese: Native language

English: Fluent (GRE 326)

French: Fluent (DALF C1)

Spanish: Beginners

INTERESTS









Aces

- Team spirit;
- independence and adaptability;
- High learning capacity.



Student engineer at École Centrale de Nantes Interested in: Data mining, Explainable AI, Machine Learning



Data Engineer | Data Scientist



EDUCATION

Since 09/2021

Nantes, France

Amiens, France

09/2017 - 10/2020

Shenyang, Chine

10/2020 - 07/2021

Université de Picardie Jules Verne

École Centrale de Nantes

Expected graduation date: 10/2023

Bachelor of Engineering, Production Optimization Tools

Generalist Engineer Degree - Applied Mathematics Options

 Top-ranking, in charge of coordinating teachers and Chinese students in need.

Shenyang Aerospace University

Bachelor of Engineering, Mechanical Design, Manufacturing and **Automation**

- The average GPA: 3.5/4, Top 3%, outstanding college students in Shenyang area.
- The experience as Student Council President.



PROJECT EXPERIENCE AND INTERNSHIP

Internship – Data engineer (IFPEN)

2022

Paris,

France

Nantes,

2021

Nantes.

France

France

• Analysis of traffic badge validation data and create a dashboard.

• Comparison of data obtained from a traffic model (MATSim) to explore

• Using time series models (Sarimax, Neuralprophet...) to analyze the impact of influencing factors and correct the statistics by predicting the data.

Keywords: Django, HTML/CSS, MongoDB, Git, Pytorch, Statsmodels

Project - Genetic code and pathogenic mutations in R 2021

• Perform sequence analyses on PKD patients.

• Identify mutated genes by manipulating sequences and sequence features.

Keywords: R language (Seqinr, Shiny), Bioinformatics

Project - Analysis of Tencent product user churn

02/2022 - 03/2022

04/2022 - 08/2022

• To predict the user churn rate and provide a foundation for the churn recovery strategy.

• A classification model is developed, the model is evaluated with roc_auc_score, and the parameters are tuned with GridSearchCV.

Keywords: Sklearn, Machine Learning

Project – Build a student management system

12/2019 - 02/2020

Shenyang,

2020

Chine

• Built in VC++ 6.0, Windows platform, utilizing the C language.

Using structures to encapsulate variables and chained tables for modification operations makes it easier to manage fundamental student information.

Keywords: C language, 00P



SCIENTIFIC RESEARCH EXPERIENCE

Since 10/2022

Research - Adjustment of Bayesian network library

Keywords: C++, Git, Linux

Essay - CNN text classification method based on simulated annealing method

ACM - International Conference Proceeding Series (ISBN: 978-1-4503-8432-2)

Essay - Mechanical gyroscope based one-rotor aircraft modification design

Fortune Time (2019.04), ISSN: 1004-0447

Nantes Digital Science Laboratory (LS2N)

Competition - Based on non-stationary thermal conductivity, the design of special garments for high-temperature operations

2019 China Mathematical Modeling Competition Second Prize in Liaoning Province

