

Chao PAN



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Résidence Armade, 1/3 Av du G. de Gaulle, Avon, Paris, France



+86 152 0663 0589



chao.pan@eleves.enpc.fr



Algorithm Engineer

EDUCATION

08/2017- Current	École des Ponts ParisTech, France (ENPC) Applied mathematics and mechanics (master)
08/2013-06/2017	Southeast University, China (SEU) Materials Science and engineering (bachelor)
02/2015-06/2015	National Tsing Hua University, Taiwan (NTHU) Materials Science (exchange student)

INTHERSHIP



02/2020-08/2020

Subject: Programming in Python for constructing a model

- 1) Build a tool for finite element calculation RIS and IASCC
- 2) Apply this tool to predict a simulated value in an environment
- 3) Optimize this tool in time complexity



09/2018-08/2019

Subject: Data processing to digitize a transport plan of a station

- 1) Develop a software in VBA to digitize a station plan
- 2) Calculate a route in DFS and Complete a Database in KNN
- 3) Verify the incompatibility between routes in SVM
- 4) Do a research for the robustness and stability of Gare de Lyon by calculating a standard of crossing time

COMPETENCES

Techniques	Python, C++, VBA, MATLAB
Courses	Probabilistic Graphical Models, Machine Learning, Deep Learning, Reinforcement Learning, Data Structure and Algorithm
Language	French: B2, English: B2, Chinese: native speaking
Blog	https://chaopan95.github.io/
WCRR Conference	Research on Data Analysis for Improving the Transportation Planning at the Terminus Railway Station

STUDENT WORK

09/2014-09/2015	Vice president of student union of school of material science at SEU
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INTERESTS

Sport: Basketball, Jogging, Badminton

Literature: Science fiction