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|  | **Chao PAN** | |  |
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|  |  | Résidence Armade, 1/3 Av du G. de Gaulle, Avon, Paris, France |
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**Algorithm Engineer**

**EDUCATION**

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| **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 | |
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|  | | 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](https://www.sncf-reseau.com/sites/default/files/2020-01/WCRR_2019-Research_on_Data_Analysis_for_Improving_the_Transportation_Pla....pdf) | | |
| **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 | | |