

Yingjie JIANG

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Palaiseau 91120, France

EDUCATION

Ecole Polytechnique

Applied mathematics and computer science

Sep 2017 - Jul 2020

Palaiseau, France

- GPA: 3.83 / 4.0
- Third-year student in *Filière d'Ingénieur* (equivalent first-year master's degree in Engineering)

Nanjing University

Bachelor's degree in Physics

Sep 2013 - Jul 2017

Nanjing, China

- GPA: 4.41 / 5.0 Ranking: 8/142

PROFESSIONAL EXPERIENCE

Renault S.A.

Intern, Autonomous vehicle

Jun 2019 - Sep 2019

Paris, France

- Studied unsupervised learning of vehicle trajectory distribution in multi-lane highway using Tensorflow, developed a model that combined Boltzmann machine and Recurrent neural networks.

ezyData

Intern, Data science

Jul 2018 - Aug 2018

Paris, France

- Carried out market research and benchmarking of the solutions of semantic data mapping.

Beijing Computational Science Research Center

Research Intern, computational physics

Jul 2016 - Aug 2016

Beijing, China

- Built a model of Rhex (hexapod robot) using C++ and an open source physics engine named Project Chrono.

PROJECT AND VOLUNTEER WORK

Research project in applied mathematics

Electricity of France S.A.

Sep 2019 - Mar 2020

Palaiseau, France

- Study fleet sizing and mix vehicle routing problem of electrical robot-taxi, use operation research and optimisation methods to find the lowest cost solution.

Team scientific project

Renault S.A.

Sep 2018 - May 2019

Palaiseau, France

- Studied the optimization of the service of robot-taxi in an urban area in a team of 5 students, focused on fleet sizing and pricing, leaded mathematical modeling and simulation in team.

The Second Summer Youth Olympic Games

Nanjing Olympic Committee

Jul 2014 - Aug 2014

Nanjing, China

- Volunteered as emergency medical responder, assisted doctors and provided medical services to athletes.

HONORS & AWARDS

- Outstanding graduate, Nanjing University, China *May 2017*
- Outstanding Student, Nanjing University, China *Dec 2015*

MISCELLANEOUS

- **Programming Skills:** Python, C++, Tensorflow, Java, Git, Linux(basic)
- **Languages:** English (Fluent), French(Fluent), Chinese (Native)
- **Interests:** Swimming, Reading, Guitar