Chuanjin SU

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EDUCATION

École CentraleSupélec, Gif-sur-Yvette / Metz, France — Sep 2018 – expected Jun 2020

- Double-degree General Engineer

Université Paris-Sud, Orsay, France — Oct 2018 – Jun 2019

- Dual diploma in L3 Mathematics

Tsinghua University, Beijing, China — Aug 2016 – Jul 2018

- Bachelor degree in Aerospace Engineering
  - Ranking: 5/59 (2016 Summer – 2017 Spring)
- Admitted to Sino-France 4+4 Program (Tsinghua Univ. & CentraleSupélec)
  - Undergraduate in Tsinghua University Aug 2016 – Jul 2018
  - Engineering Student in CentraleSupélec Sep 2018 – expected Jun 2020
  - Master in Thermodynamic Engineering in Tsinghua University expected Sep 2020 – Jul 2022

AWARDS & SCHOLARSHIPS

China Scholarship Council (CSC) Scholarship — Jul 2018 – Jun 2020
For government-sponsored overseas students.

Tsinghua's Friend – Zheng Geru Scholarship — Sep 2017
For top 20% students in Tsinghua University.

Insight Astronomy Photographer of the Year, Runner-up — Sep 2018
For talented astro-photographer. Won by the work *Eclipsed Moon Trail*.

Tsinghua University Scholarship for Art — Sep 2017
For outstanding students in art fields.

RESEARCHES & INTERNSHIPS

ANEO HPC (High-performance computing) Project, CentraleSupélec — Mar 2020 – Apr 2020

- Developed and deployed a genetic algorithm to schedule tasks using MPI multiprocessing

Semi-Autonomous Drone Navigation Project, CentraleSupélec Campus Metz — Nov 2019

- Achieved semi-autonomous control in level of behavior, using Parrot Bebop 2
- Implemented basic PID control algorithm and visual processing algorithm

Renault Worker Internship, Renault Flins Plant — Jul 2019 – Aug 2019

- Worked 8 hours a day in 5 weeks on assembly line
- Responsible for installation of batteries of Renault Clio, Renault Zoé, and Nissan Micra

EDF IoT Challenge Week, CentraleSupélec — Jun 2019

- Proposed an efficient method to predict real-time power in a wind farm, using machine learning

TCL 5G Project, CentraleSupélec — Mar 2019 – Jun 2019

- Project of first-year engineering student, advised by Prof. Mohamad Assaad
- Implemented, tested, and optimized a queue-aware energy efficient control algorithm for dense wireless networks

Coding Weeks, CentraleSupélec — Nov 2018

- Two-week cooperation project between CentraleSupélec and TNP Paris Conseil
- Developed a dashboard to help Carrefour enhance the transparency and visibility of its social media data through data science

SKILLS

Languages

- **English**: IELTS 7.5, **French**: Preparing B2, fully capable of learning and working, **Chinese**

Softwares and Programming

- **Python**, **MATLAB**, Fortran, C/C++, ROS, LaTeX,
- Microsoft Office, AutoCAD, Solidworks, COMSOL, Adobe Photoshop & Lightroom

INTERESTS

Photography: Astro-Photography, Landscape Photography
Sports: Swimming, Running, Football