

Zhoujing CHEN

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Suresnes, France

<https://resume.czj.homes/>

EDUCATION

PSL University (University Paris-Dauphine) - Master of Science in Operations Research Oct 2023 - Nov 2025

Key coursework: Linear & Integer Programming, Network Optimization, Stochastic Optimization, Robust Optimization, Multi-Criteria Decision Analysis

PSL University (University Paris-Dauphine) - Master 1 & B.Sc. in Computer Science (MIAGE) Sep 2021 - Jun 2023

Coursework: Artificial Intelligence, Distributed Systems, Web Development, Relational Databases, Networks.

Paris-Saclay University (IUT d'Orsay) - DUT in Computer Science Sep 2019 - Jun 2021

PROFESSIONAL EXPERIENCE

CentraleSupélec - Research Intern – Sychromodal Transportation CentraleSupélec May 2024 - Nov 2024

- Developed Mixed-Integer Linear Programming (MILP) models in OPL to optimize intermodal and sychromodal transport logistics.
- Utilized IBM CPLEX to simulate and analyze scenarios using real-world data (Contargo, EGS), evaluating model performance under various conditions.
- Investigated network robustness to enhance overall system efficiency and reliability in transportation planning.

Merit Interactive Co., Ltd - Backend Development Intern Jun 2023 - Sep 2023

- Refactored slow database query interfaces for a big data analytics platform, reducing query response times by ~50%.
- Optimized data processing using Spark (UDF, UDAF) to improve memory management and decrease garbage collection pauses.
- Improved overall batch computation time by ~25% (from 6h to 4.5h) on large-scale datasets (>850 GB).
- Participated in the full software development lifecycle – from requirements analysis and design to implementation, testing (unit & integration), and deployment.

LOGEFI Services - Python Development Intern Apr 2021 - Aug 2021

- Built and maintained internal tools with Python to automate repetitive tasks and streamline business processes.

PROJECT EXPERIENCE

Full-Stack Q&A Web Platform - Angular, Spring Boot, MySQL, Docker

Developed a question-and-answer web application with an Angular front-end and Spring Boot back-end, backed by a MySQL database.

Image-based CAPTCHA Recognition System - TensorFlow, OpenCV

Created a machine learning system to automatically solve image-based CAPTCHAs using convolutional neural networks.

SKILLS

- **Programming Languages:** Java, Python, Golang, C/C++, Julia, PHP, TypeScript, SQL, HTML/CSS
- **Frameworks & Tools:** Spring Boot, Angular, Docker, Kubernetes, Spark, Hive, Git, Bash, Selenium, Postman, CPLEX
- **Languages:** Chinese(native), French, English