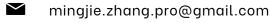
MINGJIE ZHANG

APPRENTICE COMPUTER ENGINEER

06 05 72 57 82



🜐 1 jan 2002

Mingjie Zhang | LinkedIn

Rimyo (github.com)

ABOUT ME

I am a computer engineering apprentice that have acquired skills in programming and software design through my studies and personal projects.

EXPERIENCE

Sep 2023

Python, Full-stack developer

BNP Paribas Arbitrage, Paris

Aug 2025

- Design pattern implementation
- Tests (BDD, unit, mock) implementation
- Django web application rework

FORMATION

Computer Engineering
Curriculum

Sup Galilée, Villetaneuse 2022 - 2025

Integrated Engineering Preparatory Course **Sup Galilée, Villetaneuse**

Scientific Baccalaureate

Lycée Hélène Boucher, Paris

2017 - 2020

SKILLS

Languages: C, C++, R, C#, Java, Python,

PHP, MIPS, Ocaml, Julia

Softwares: RStudio, WireShark, Matlab **Web:** HTML, CSS, JavaScript, TypeScript, Django, XML, React, Node.js, REST Apis **Conception:** UML, Design Pattern, Linear

and combinatory optimisation

Data: SQL (Oracle)

Else: Git, Excel, Linux, LDAP, Cplex, Unity

, CI/CD, Jira, Agile, Scrum

INTERESTS

- Coding Personal Projects
- Cooking

2020 - 2022

DIY Projects

LANGUAGES

- Chinese fluent
- English fluent
- French Bilingual
- Spanish Basic

<u>PROJECTS</u>

- **RPG Game in C:** Developed a fully functional RPG game with game mechanics, character interactions, and UI elements using a graphics library in C.
- Mastermind Game in C: Implemented Mastermind using GTK3 and MVC architecture in C.
- **Data Analysis in R:** Analyzed correlations between music habits and COVID-19 lockdowns using statistical methods and data visualization in R.
- Paris Metro Route Calculator in C: Designed a route calculator for the Paris metro system, implementing shortest path algorithms in C.
- **Epidemic Tracking Mobile App:** Modeled and designed a mobile app to track epidemic progression with real-time updates and notifications.
- **Ecosystem Simulation in Java:** Created an ecosystem simulation with species interactions and environmental factors in Java.
- **Movie Web App in Node.js:** Developed a Node.js web application for searching and showing movies in theaters, integrating movie database APIs.
- **Optimal Antenna Placement:** Solved optimal placement of antennas for city coverage, ensuring maximum coverage with minimal resources.