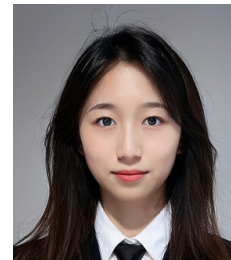


# Tingni LI

## Software Engineer



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## Professional Summary

Passionate Software Engineer with expertise in backend development (Python) and front-end development (Angular). Experienced in building high-performance RESTful APIs, optimizing CI/CD pipelines, and solving production bottlenecks for large-scale applications. Actively expanding skills in cloud-native technologies (AWS/GCP) and infrastructure automation, with a strong focus on code simplicity and performance-driven development.

## Work Experience

### ● CACIIS - Software Engineer Python

Oct 2022 - Present | Paris, France

- **Backend Development:** Designed and developed scalable RESTful APIs using Python (Django/Flask) and Java, ensuring high-performance data processing.
- **Frontend Development:** Built Angular-based dashboards for real-time data visualization, enhancing user experience, usability, and accessibility.
- **Web Services & Scalability:**
  - Developed scalable Web Services, integrating API interactions between frontend and backend systems.
  - Optimized API response times, reducing latency by 50%
- Implemented **CI/CD pipelines** (GitLab CI) for continuous deployment, improving release efficiency.

### ● SFR - Intern, IoT Project Testing and Validation Jan 2021 – Jul 2021 | Jan 2022 – Jul 2022 | Paris, France

- Integrated and evaluated **IoT sensor** performance, achieving a 20% increase in efficiency through comprehensive testing.
- Developed a **React.js and Spring Boot web interface** for IoT sensor data management.
- Designed an optimized **SQLite database** that reduced data retrieval time by 25%.
- Built a **predictive ML model** using time-series analysis to forecast IoT device lifespan.

## Education

### ● ISEP (Institut Supérieur d'Électronique de Paris)

2017 – 2022 | Master's Degree in Information Engineering – IoT Specialization | Graduated with Honors

- Acquired deep technical skills in **Java, Python, big data, AI, electronics, and telecommunications**, with hands-on projects involving large-scale data processing and real-time system development.

### Key Projects:

- **Artificial Intelligence: COVID-19 Data Forecasting**
  - Applied **Bayesian Networks, Machine Learning, and Grid Search** to analyze and predict COVID-19 trends, achieving 90% accuracy for infection spikes.
  - Enhanced prediction models by optimizing parameters, improving forecasting precision by 15%.
- **Game Development: RPG - Robot Turtle**
  - Designed and developed a role-playing game in **Java**, implementing algorithms for player movement, game rules, and end-of-game conditions.

## Skills

- **Languages & Frameworks:** Python (Flask, Django), JavaScript (React.js, Angular), Java, TypeScript
- **Databases:** PostgreSQL, SQLite, Oracle
- **DevOps & CI/CD:** GitLab CI/CD, Docker, Agile development
- **Languages:** Chinese (Native), French (DALF C1), English (TOEIC 810)