

JINGJING YANG

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<https://jingjingyang0803.github.io/CV/>

TECH STACK

- Java, Python, JavaScript, C++, SQL
- React, Node.js, Flutter, Flask, REST APIs, Git, Docker
- Linear/Logistic Regression, Decision Trees, Neural Networks, CNNs
- Data Cleansing, Feature Engineering, Data Visualization

PROFILE SUMMARY

As a Software Engineering graduate and current Master's student in Embedded Systems, I possess practical experience in machine learning, IoT, and embedded systems. I am skilled in Python, Java, React, and Dart, and have utilized these technologies in various real-world projects, from mobile applications to smart hardware solutions. My educational background and hands-on expertise equip me to design and deliver data-driven innovations with an emphasis on AI, intelligent systems, and automation, driving meaningful advances in healthcare, sustainable technologies, and modern software development.

SOFT SKILLS

- Analytical Thinking
- Problem Solving
- Continuous Learning
- Effective Communication
- Team Collaboration
- Time Management

PROJECT EXPERIENCE

Receipt Manager App 2024 Autumn

Flutter, Firebase, Open Exchange Rates API, OCR

- Developed a mobile app for automated receipt scanning, expense tracking, and data visualization.
- Applied OCR and data processing technologies to improve user efficiency.

3D Printer Management System 2024 Spring

Flask, React, Cloud Integration, Raspberry Pi

- Developed a Raspberry Pi-based system for centralized and remote 3D printer management, utilizing Agile methodologies and Cloud technologies.
- Built a responsive web interface using React for user-friendly operation.

Time Management Application 2023 Autumn

React, JavaScript, React Router, JSON Server

- Designed a user-centric application for efficient task management and insightful time allocation analysis.
- Used JSON Server to simulate backend functionality for seamless testing.

Lego Robot Car Project 2023 Spring

IoT protocol, C++, MQTT, rest-API, Arduino, ESP8266, sensors

- Designed and implemented a robot car with autonomous movement and obstacle detection capabilities.
- Implemented real-time control and data communication using the MQTT protocol.

EDUCATION

AUG 2025 - PRESENT

TAMPERE UNIVERSITY

- Master of Embedded Systems
- Computing Sciences and Electrical Engineering

AUG 2021 - MAY 2025

TAMPERE UNIVERSITY OF APPLIED SCIENCES (TAMK)

- Bachelor of Software Engineering
- GPA: 4.88 / 5.0

LANGUAGES

- Chinese: Native
- English: Fluent
- Finnish: Intermediate
- Japanese: Basic