

Curriculum Vitae

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Background

09/2019-06/2023 Henan Normal University Network Engineer (Bachelor's Degree)
Major courses: Data Structures, Operating Systems, Computer Networks, Principles of Computer Organization, C, Java, Python

07/2023 – Present ESIGELEC Connected Embedded Artificial Intelligence (Master's Degree)
Major courses:
Deep Learning, Project Management, Embedded Python Development, Smart Sensors, Linux

Projects

- Python-Based Autonomous Driving Robot:
 - Role: Project Leader
 - Description: Developed an autonomous driving system on DJI EP robot with obstacle avoidance, person following, and target grabbing.
 - Tech Stack: Python, Infrared Sensor, ToF Camera, DJI EP Robot, YOLOv5
 - Responsibilities: Integrated sensors for environment perception. Used YOLOv5 for object detection. Implemented obstacle avoidance, person following, and target grabbing
- Java-Based Financial Management System Development:
 - Description: Developed a financial management system for user expenditure records with admin/user login and CRUD operations.
 - Tech Stack: Java, MySQL, Apache Tomcat, SpringBoot
 - Responsibilities: Designed the system architecture and database structure. Developed backend business logic using SpringBoot framework. Implemented authentication and authorization for administrators and users. Conducted system testing and debugging, deployed on Tomcat server

Skills

- Java: Proficient in the SpringBoot framework with experience in web application development
- Python: Skilled in data processing and automation. Familiar with deep learning frameworks such as TensorFlow and PyTorch
- C: Experience in embedded systems development and hardware control
- MySQL: Knowledgeable in database design, optimization, and SQL queries. Experienced in database management for real-world projects
- Docker: Proficient in containerization techniques. Able to create and manage containers. Familiar with Docker Compose for orchestrating multi-container applications
- Web Technologies: Understanding of HTML, CSS, and JavaScript. Capable of developing front-end and back-end interactions
- English: B2 level