

HAO XU

SOFTWARE DEVELOPER

Aspiring Software Engineer with hands-on experience in **backend development**, **DevOps**, and **machine learning**.
Passionate about building scalable systems and solving real-world problems. **I want to change the world**

CONTACT

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LANGUAGES

Spanish: Native
English: Advanced
Chinese: Middle
German: Basic

WORK EXPERIENCE

SOFTWARE DEVELOPER IN DIALAPPLET (04/2024 - CURRENT)

- **Developed** email functionality, supporting both sending and receiving of messages.
- **Designed** a flexible email architecture by developing a low level understanding of SMTP and POP3 protocols, ensuring compatibility across diverse providers.
- **Developed** a WhatsApp microservice, that enables reliable API communication through the creation of entities requiring serialization and deserialization.
- **Collaborated** with multiple departments to produce and maintain clear, comprehensive documentation, reducing ambiguity around core system details.

EDUCATION

POLYTECHNIC UNIVERSITY OF VALENCIA (2022 - CURRENT) COMPUTER SCIENCE

Grade: 9,3

AWARDS AND HONORS

- **Awarded** School's Highest Academic Achievement in 1st grade. [ranked 2nd out of 400 students]
- **3rd Place** in the **2nd Year category** of a competitive programming competition.
- **3rd Place** in a **robotics competition** by building a rescue-assistance vehicle and developing an automated lake-cleaning system.
- **6th Place among UPV students** in the "Las 12 Uvas" competitive programming competition.

EXTRACURRICULAR ACTIVITIES

- **Member at CP-UPV:** Active participant in UPV's Competitive Programming Club, consistently rankings in university-level contests and ongoing development of algorithmic and problem-solving skills.
- **Organizer at the ACM UPV Chapter:** Lead community initiatives to promote student engagement in computer science, including managing a small software project.
- **PATU tutor at ETSINF (UPV):** Mentored first-year students to support academic adaptation, provide guidance, and facilitate their integration into university life and effective study habits.
- **ERASMUS BIP:** Represented UPV in a robotic competition in Cluj Napoca (Romania).

PROJECTS

- **Cafeteria App:** Software application designed to streamline order placement and improve communication between kitchen staff and waiters.
 - Developed in **Python** using the **Kivy** library for the user interface.
 - Utilizes **MySQL** for persistent data storage.
 - **Express.js** handles the back-end operations and API logic.
 - **YouTube Sentiment Analysis:** Machine learning project to classify YouTube video comments and assess viewer sentiment.
 - Implemented in Python using **TensorFlow**, **Pandas**, **NumPy**, and **Matplotlib**.
 - **Trained models** to detect positive, negative, or neutral sentiments based on comment content.
 - **Sicher Stadt:** Web platform aimed at fostering local communities within the same building or neighborhood.
 - Backend developed in Java with the **Spring Boot** framework.
 - **PostgreSQL** used for database management.
 - **React** for front-end development and **Leaflet.js** for interactive map integration.
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COURSES AND CERTIFICATES

- **Deutsch Telekom DevOps School:** Participating in a comprehensive DevOps course covering core concepts and hands-on experience with tools such as Docker, Kubernetes, AWS, Terraform, and Ansible.



LINKEDIN



GITHUB