



Wenbo Yan

Date of birth: 14/10/2000

## CONTACT

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europass

## ABOUT ME

Hello, my name is **Wenbo Yan**, a **first-year engineering student at EURECOM** with a strong passion for **programming and problem-solving**. I have solid **programming skills, computer knowledge**, and experience in **troubleshooting common issues**. I thrive in **teamwork**, quickly **adapt to new environments**, and enjoy **collaborating with others**. Eager to apply my skills in an **internship**, I look forward to connecting with **companies** and exploring **opportunities to grow**.

## EDUCATION AND TRAINING

09/09/2024 – CURRENT Biot, France

**engineering degree EURECOM**

Website <https://www.eurecom.fr/> | Field of study Information and Communication Technologies

01/09/2020 – 01/07/2024 Luoyang, China

**Henan University of Science and Technology** Chinese Ministry of Education

Proficient in **Java, Python, Golang**, with experience in **software design, development, and testing**. Strong foundation in **algorithms, data structures, and optimization**. Skilled in **SQL, database design, and management tools**. Basic understanding of **machine learning algorithms and AI concepts**. Knowledgeable in **Discrete Mathematics, Calculus, Linear Algebra, Probability, and Numerical Analysis**.

Field of study Software and applications development and analysis

## DIGITAL SKILLS

Good programming skills (C, Python, Java, C++) | Linux (Terminal Commands, Bash/Shell) | Go/Golang | Git

## CREATIVE WORKS

04/03/2024 – 17/05/2024

**A VIDEO SPEECH EXTRACTION AND SUBTITLE GENERATION SYSTEM BASED ON GENERATIVE AI**

Developed a **video speech extraction and subtitle generation system** using **Whisper** for **speech recognition** and **FFmpeg** for **audio extraction**. Implemented **audio preprocessing** (noise reduction, segmentation) to enhance recognition accuracy. Applied **generative AI models** for speech-to-text conversion, handling **multi-speaker dialogues and noisy environments**. Designed an **automated subtitle generation system** with **multi-language and accent adaptation**, significantly improving processing speed—reducing subtitle generation time from hours to minutes.

Link <https://github.com/lemon5227/Auto-Subtitle-on-Generative-AI>

01/04/2023 – 02/05/2023

**Distributed Cache Implementation in Go**

Developed a **distributed cache system** in Go with **node management** for cached data storage. Implemented **consistent hashing** for even data distribution and **LRU caching** for efficient eviction. Enabled **CRUD operations, distributed communication** via HTTP/custom protocols, and **Protobuf-based serialization** for optimized data exchange. Designed **distributed locks** to prevent concurrency issues and integrated **fault tolerance mechanisms** for handling failures and data recovery.

Link <https://github.com/lemon5227/LemonCache>

**SSM-Based Blog Website**

Developed an **SSM-based blog website** using **Spring, SpringMVC, and MyBatis** for modular design and maintainability. Integrated **SpringMVC** for the control layer and **MyBatis** for simplified database operations. Designed **RESTful APIs** for cross-platform compatibility and implemented key features like **login, registration, and article management** to enhance user experience.