**Yu Wenya**

Target：Algorithm Engineer｜Email：ywy\_hfut@163.com｜Phone: +65 80674181

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| **Education Background** |

Nanyang Technological University(MSC) Computer Science(Blockchain) Computer Security Lab 2023.08 ~ 2024.07

Hefei University of Technology(B.E.) Software Engineering 91.02/100 (rank 5/169) 2019.09 ~ 2023.06

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| **Key Skills** |

* **Development Languages:** Golang, Python, Java, C++
* **AI：**Pytorch , LLAMA2 , Transformer, GAN,Recommendation system
* **Tools：**Docker, Git, Common Linux Cmds
* **English：**IELTS 6.5, GRE 329+3.5

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| **Internship Experience** |

**Tiktok (Singapore) Golang ｜ Backend intern 2023.****12 ~ 2024.06**

* **Key Skills：**ByteFaaS｜ByteFlow｜AWS Lambda
* **Summary：**Implemented over 10 atomic services utilizing Function as a Service (**FaaS**) tools similar to **AWS Lambda**.
* **Outputs：**Developed self-recover workflows for ingress and node resource recovery, enhancing the uptime of push and pull stream nodes to over 90%.

**USTC GUOCHUANG Java/Python｜Algorithm Development Intern 2021.12 ~ 2022.02**

* **Key Skills：**Spring Boot｜Flask｜OCR｜｜Redis｜Docker
* **Summary：**Developed an AI finance system **from scratch**. **Software Copyright**(First author )
* **Outputs：**Implemented invoice **OCR** with YOLO3 for detection, CRNN for recognition, and **Flask** for API. Backend services for login, expense, and approval modules via **Spring Boot** and **Redis**, deployed with **Docker**.

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| **Projects and Research Experience** |

**Decentralized AI Video Recommendation Capstone project 2023.12 ~ 2024.03**

* **Key Skills：**Pytorch｜Solidity | Golang | Go-Kit | GPRC | Consul | Redis | Docker | CI/CD
* **Summary：**Built a video recommendation **microservice** from scratch. Used PAI for **distributed training/deployment** of Twin Tower and DIN models for recall and ranking. Introduced a **decentralized recommendation algorithm** with **ERC20** and **Uniswap** token rewards/exchange.

**EVM Transaction Risk Monitoring Based on LLM NTU CSLAB 2023.08 ~ 2024.02**

* **Key Skills：**LLM | LLaMA2 | Fine-tuning｜QLORA｜Pytorch
* **Summary：**Fine-tuned **LLAMA2** with **QLORA** for identifying **EVM** risky transactions, achieving 80% accuracy. Paper submitted: "Ethereum Transaction Risk Detection with QLORA-Tuned LLaMA2."

**AI Text-to-Video Generator Virtual Reality AI-Lab In HFUT 2022.03 ~ 2022.12**

* **Key Skills：**Pytorch｜TransCGAN｜Text-to-Video
* **Summary：**Designed **TransCGAN** Model to generate custom character action videos from text commands.
* **Outputs：**Paper "TransCGan-based Human Motion Generator."(First author)

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| **Papers/Patents/Copyrights/Honors/Awards** |

* **Papers/Patents/Copyrights :** One SCI Q1 paper, One EI paper,Two patents,Two software copyrights
* **Honors:** National Scholarship | Outstanding Graduate | Excellent Student
* **Awards:** National Third Prize in Computer Design Competition | Internet+ Provincial Gold Medal