顾 翔　　　**Gu Xiang**

联系方式　　　(+86)15051776462

电子邮件　　　EminentGuXiang@protonmail.com

教育经历

2021.09 - 至今　　　**南京理工大学网络空间安全学院　　数据科学与大数据技术　　学士　　3.4/4**

专业技能

- **机器学习**：Pytorch，3D视觉，大模型（视觉语言模型）微调和下游任务部署，多模态学习
- **数据科学**：Python/Tableau 数据可视化，掌握SQL和数据库操作
- **网页设计**：使用Vue.js制作前端网页，Linux服务器部署、运维
- **区块链**：以太坊智能合约编写，Dapp开发
- **英语能力**：雅思7，四级607，六级599 可以熟练阅读英文文献、资料，进行英语口语交流

项目经历

2023.01 - 2024.4　　　**自动驾驶中的3D智能感知防御技术研究**　　　　　　　　　　**课题组成员**

- 科研课题，利用多模态大模型对激光雷达获取的点云数据进行处理，提升在自动驾驶场景下的模型环境感知能力
- 阅读领域最新文献，对顶会论文进行复现
- 分析研究现有模型存在的不足，设计改进模块，提升点云大模型在少样本学习下的表现
- 相关科研产出在投，一篇一作，一篇四作，七月出结果
- 相关技术：大模型微调、多模态、pytorch

2023.03 - 至今　　　**MyWeb3ToolBox**　　　　　　　　　　　　　　　　　　　　**全栈**

- 以太坊地址监控，追踪识别地址交易信息，实时推送到飞书
- 以太坊智能合约编写、部署、编写DAPP，或使用web3.py进行智能合约交互
- 爬虫，获取NFT元数据并进行清洗、可视化展示
- 相关技术：区块链、Solidity、DAPP、web3.js

2023.11 - 2023.12　　　**智慧打印店**　　　　　　　　　　　　　　　　**前端负责人、运维**

- 实现了在线下单、预约送货、订单处理、配送、营收分析等功能
- 前端设计及代码编写，编写前端各功能页面并为后端提供接口
- 服务器基础环境配置，网站部署，支持PWA
- 相关技术： Vue.js / Django/Nginx

2023.05 - 2023.07　　　**文献题录分析软件**　　　　　　　　　　　　**数据处理，数据库操作**

- 将CNKI中下载的题录数据导入到数据库中，并进行统计、分析
- 负责JAVA与access数据库的交互，将数据导入到数据库并针对各个功能设计接口
- 相关技术：JAVA，sql，Access数据库

荣誉奖励

- 第十三届蓝桥杯全国软件和信息技术专业人才大赛（省部级）三等奖
- 第十一届泰迪杯数据挖掘挑战赛（国家级）三等奖
- 三等奖学金（校级）

Name	Xiang Gu		
Contact	(+86)15051776462		
Email	EminentGuXiang@protonmail.com		

Education

2021.09 - Now	**NanJing University of Science and Technology**	**B. S. in Data Science and Big Data Technology**	**3.4/4**

Skills

- **Machine Learning** : skilled in **Pytorch** and experienced in the fllowing areas : **3D Vision, Prompt tuning for large Vision Language models, Multimodal Learning**
- **Data Science** related tasks: Data Visualization with **Python/Tableau**, Database Maintenance with **SQL**
- **Web Design** via **Vue.js**, including **Front Page** development and **Linux Server deploy** & **Maintenance**
- **Blockchain**, have knowledge in **Ethereum Smart contract development (Solidity) and Dapp development**, with over 3 years of on-chain activities in **Ethereum** & **Bitcoin ecosystem**
- **English**, IELTS 7.0 CET4 607 CET6 599

Project : Detalis and other projects can be found on my Github Page

2023.01 - 2024.4	**3D Intelligent Perception Defense in Autonomous Driving**	**Team member**

- This research project is led by professor Pang(Nanjing University of Science and Technology) and Du (UNSW), and i am one of the three students.
- In this project i am trying to find a new way to better apply vision-language-model guided 3D point cloud model to downstream tasks via dynamic multi-modal prompt tuning. Our method achieves exciting results on some downstream tasks.
- Papers (one is **first author** and one is **fourth author**) are pending, (results should be out before July, 2024)

Key skills:Machine Learning,Multi-modal,vision language model,pytorch,cuda

2023.11 - 2023.12	**Smart Painting Shop**	**Front Page & Operations**

- In this project we build a system for printing shop. Customers can use our PWA APP to make an order online and workers in printing shop will print their orders and deliver to them. Also printing shop owner can monitor the situation of his shop online dynamically.
- I am in charge of the design and deploy of the front page app, i use vue.js to create our front page and use nginx as our front page server.

Key skills:Vue.js, Linux, Django

2023.05 - 2023.07	**Statistical Analysis Toolkit for Informetrics**	**Data Process & Database Maintenance**

- Statistical Analysis Toolkit for Informetrics,support import informetrics fron cnki and manage,analysis,visualize them.
- I'm in charge of database design and build related api to connect designed java function to access server.

Key skills:SQL, java, Access Server

Reward

- Third Prize in the 11th Teddy Cup Data Mining Challenge (National Level)
- Third prize of the 13th Blue Bridge Cup National Software and Information Technology Professionals Competition (Provincial Level).