图片包含 人员, 男士, 领带, 室内

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|  | 出生：2002.11 |  | 电话：+86 15371023781 |
|  | 民族：汉 |  | 邮箱：837238229@qq.com |
|  | <https://github.com/lyMeiSEU>  <https://leetcode-cn.com/u/mei-luoyu/> |  | 地址：江苏省南京市 |

**简历**

**梅洛瑜 实习方向：系统电源和性能验证实习生**

* 2017年7月，我14周岁，被**东南大学吴健雄学院**招收为**软件方向少年班大学生**。
* 2017年8月-至今，本科就读于东南大学计算机软件人工智能学院软件工程专业。
* 2019年寒假期间，赴帝国理工大学DSI参加**“英国帝国理工大学人工智能技术和创新项目”**交流。
* 2019年暑假期间，我被选派为优秀学生赴芬兰参加**“2019年北欧芬兰奥卢大学暑期学习（北欧创新、创意与创业）”**项目交流。
* 排名： 13/107（大三）

教育背景

**“东南大学智慧物联网研究中心”何田(IEEE Fellow)和王帅教授**  **2019年8月-至今**

**跨技术通信技术研究(CTC)、大数据特征提取及分析**,主要技术：Java, python

* 参与实验室获得Ubicomp Best Paper项目： WeBee，通过WiFi模拟Zigbee信号实现跨技术直接通信，掌握信号调制解调、噪声控制、信号恢复技术，最终完成了WiFi信号分析以及Android端控制程序编写。
* 分析大量GPS轨迹数据，用python从城市车辆大数据，饿了么订单配送大数据（百万条）中提取pattern并用随机森林、SVM提取轨迹特征并进行分类。

**交通学院博士生导师李志斌负责的国家自然科学基金面项目** **2018年11月-至今**

并参与了南京多伦科技股份有限公司(DUOLUN technology) 人工智能路网能力提升策略及工具系统的开发工作，**负责后端搭建以及数据库配置**，主要技术：python。

* 第一期：快速道路提升工具，使用Q学习算法分析车辆数据并接入SUMO仿真平台，了解了VISSIM管控策略
* 第二期：搭建人工智能路网提升系统后端，Nginx负载均衡、并发控制，HTTP+json实现前后端交互

**东南大学“计算机网络和信息集成教育部重点实验室“我的导师董永强教授** **2017年10月-至今**

**HTTP2.0加密流量识别研究工作，负责中心节点处数据特征分析，主要技术： Java, C++。**

* 分析了HTTP2.0+TLS3.0的新型加密通信协议具有的管道化、数据包填充、对称+不对称密钥的技术特点
* 设计识别算法。从TCP层提取连接信息并用时间片分割为不同网页，设计密文与明文对应规则推出明文大小
* 对于网页五元组+载荷特征信息用随机森林与SVM提取特征和分类。
* 由于加密流量标签困难，**创造性使用GAN来生成网页流量数据训练集。**

实验室工作

* 2020年04月美国大学生数学建模竞赛（MCM/ICM）**一等奖**。
* 2020年01月东南大学2018-2019学年计算机科学与工程学院、软件学院、人工智能学院**优秀学生**。
* 2019年12月东南大学第六届大学生健康素养竞赛一等奖。
* 2019年11月东南大学Hackathon@2019华东三等奖。
* 2019年06月东南大学2018-2019学年**软件创新奖学金。**
* 2018年11月东南大学2017-2018学年软件学院**优秀学生。**
* 2018年11月东南大学第15届RoboCup机器人竞赛优秀奖。
* 2018年09月南京东软人才培训中心东软实训三等奖。
* 2017年12月东南大学学生资助管理中心优良志愿者。
* 东南大学**Linux俱乐部副部长**

所获荣誉

* **微软苏州**STCA软件工程师实习生职位
* **腾讯（深圳）**云与智慧产业事业群后端开发实习生职位
* 蚂蚁集团-**支付宝事业线**-中台事业群-行业技术部Java实习生职位

实习offer

* 热爱**编程和数学**，具有较强的钻研能力，并且**热爱科研**。
* 有数据挖掘及 AI 算法多个项目经验，熟练掌握Linux及数据库相关开发
* 性格活泼，善于沟通协调，有团队精神。

自我评价

* **微软苏州**STCA软件工程师实习生职位
* **腾讯（深圳）**云与智慧产业事业群后端开发实习生职位
* 蚂蚁集团-**支付宝事业线**-中台事业群-行业技术部Java实习生职位

实习offer

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**Mei Luoyu Interest: System Power and Performance Validation Intern**

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|  | Birth：11/2002 |  | Tel：+86 15371023781 |
|  | Nation：China |  | E-Mail：837238229@qq.com |
|  | <https://github.com/lyMeiSEU>  <https://leetcode-cn.com/u/mei-luoyu/> |  | Address：NanJing Jiangsu |

**RESUME**

* July 2017，when I was 14, I was admitted by **Southeast University Chien-Shiung Wu College's School of the Gifted Young**.
* I am 17 years old and I am now Major in Software Engineering.
* Winter vacation 2019, attended DSI department of Imperial College London **"Imperial College London Artificial Intelligence Technology & Innovation 2019 Winter Program".**
* Summer vacation 2019, I was selected as outstanding student to Finland **"** **Nordic Innovation, Creativity & Entrepreneurship (Finland, Estonia, Sweden)"** exchange program.
* **Rank： 13/107**

Edu Background

**He Tian (IEEE Fellow) of "Smart Internet of Things Research Center” Aug 2019-now**

**Cross-technology communication technology** and **big data analysis of urban vehicles. I am responsible for data patterns extraction,** mainly used skill: Java, python.

* Participated in the project which obtained the best thesis of Ubicomp: WeBee, use the WiFi to simulation Zigbee signal to achieve cross-technology direct communication, handle signal modulation and demodulation, noise control, failure recovery technology, and finally completed the WiFi signal analysis and Android control program.
* Analyze a large amount of GPS trajectory data(millions), use Python to extract patterns from the data, and use random forest and SVM to extract trajectory features and classify them.

**National Natural Science Foundation programe by professor Li Zhibin**  **November 2018-now**

**The development of "Artificial intelligence road network capacity improvement strategies and tool systems"** , main skill: python**.**

* Phase 1: Fast road improvement tools, using Q-learning to analyze vehicle data and transfer into the SUMO simulation platform, and use VISSIM to do management and make control strategy
* Phase 2: Build the back end of system of an artificial intelligence road network, Nginx load balancing, concurrency control are used, and HTTP + json used for front-end and back-end interaction.

**HTTP2.0 encrypted traffic analysis by Dong Yongqiang** **October 2017-now**

**Key Laboratory of Computer Network and Information Integration, Ministry of Education, China**

**Responsible for network traffic analysis in network center, skill: C++, Java.**

* Analyze the technical characteristics of the new encryption communication protocol of HTTP2.0 + TLS3.0, including pipelining, data packet filling, and symmetric + asymmetric key.
* Design recognition algorithms. Extract connection information from the TCP layer and divide it into different web pages using time slices. Design cipher text and plain text correspondence rules to derive the size of the plain text.
* Use random forest and SVM to extract webpage 5-tuples + payload feature.
* Creatively use **GAN to generate a training set of web traffic data.**

Lab Work

* April 2020, **Meritorious Winner** in COMAP's Mathematical Contest in Modeling (MCM/ICM).
* 2018, 2019 year **outstanding student** of Software Engineering school.
* December 2019, First prize of the 6th Southeast University Student Health Literacy Competition.
* November 2019, Third prize of Hackathon@2019 East China.
* June 2019, **Southeast University software innovation scholarship**.
* November 2018, Excellence Award of the 15th RoboCup Robot Competition.
* July 2019, Third prize of Neusoft software Project Training.
* December 2017, **Excellent volunteer** from Southeast University Student Fund Management Center.
* South East University **Linux Club Deputy Minister**.

Honors

* Love **programming and mathematics**, with strong research motivation, **prefer to do research**.
* Has experience in data mining and AI algorithms, proficient in Linux and Database.
* Outgoing, do well in teamwork and communication.

Self Evaluation

* **Microsoft** Software Engineer Intern position at STCA in Suzhou
* **Tencent (Shenzhen) cloud** and smart industry business group back-end develop internship positions
* Ant Group-**Alipay Business Line**-China-Taiwan Business Group-Java Intern Position of Industry Technology Department

Internship offer