孙文亮

邮箱：william.sun@pku.edu.cn

联系电话：+86-186-8682-0621/+1-484-954-7668

教育背景

2017.08-2018.12 **宾夕法尼亚州立大学计算机科学与工程全日制硕士研究生**	GPA:3.54/4.00
2015.09-2017.07 **北京大学软件工程全日制第二学士学位**	GPA:3.77/4.00
2010.09-2014.06 **北京科技大学冶金工程全日制本科**	GPA:3.00/4.00

工作经历

2019 年 4 月至今 上海依图网络科技有限公司测试开发工程师   上海，中国

- 参与产品需求分析和设计的讨论与评审，对产品提出建设性意见，提升产品用户体验
- 根据产品设计制定测试计划并设计测试用例，能够快速定位缺陷并能够跟踪缺陷变更状态
- 发现测试过程中的难点和痛点，开发小工具或提供自动化解决方案，提高测试质量及效率
- 分析测试报告结果，发现测试过程中的不足，推动测试过程和方法的持续改进
- 熟悉 Docker，K8S 等相关容器技术，基于持续集成系统实现产品的 CI/CD，推动 DevOps 体系落地，提升交付效率
- 设计并执行业务测试，开发自动化测试用例，执行功能测试、性能测试、稳定性测试、鲁棒性测试、文档测试等
- 负责相关产品的测试环境搭建、部署和维护，能够分析定位并解决环境问题
- 控制项目测试进度，能够识别项目中的风险，保持与项目组顺畅沟通，推动多方共同改进

2018 年 1 月-2018 年 5 月 美国宾夕法尼亚州立大学助教   宾夕法尼亚，美国

- 协助老师讲授"电子表格与数据库"课程
- 回答学生在上机及作业过程中所遇到的问题
- 批改学生作业并讲解有问题的题目，为学生准备并撰写期中及期末考试题目

2016 年 10 月-2017 年 4 月 北京九州云腾科技有限公司 Java 后台开发实习生   北京，中国

- 协助开发人员开发基于 Spring MVC、Spring Security 的业务系统
- 开发并维护具有编码/解码，加密/解密，数字证书生成等功能的网站后台代码
- 独立 Java 代码实现国密局 SM2 等加密算法，指导前端和移动端实现该算法，并应用于银河证券安全模块

2014 年 1 月-2014 年 12 月 北京中软国际科技有限公司测试工程师   北京，中国

- Android 手机功能性测试与系统应用测试，测试第三方 APK 与手机的兼容性
- 理解产品需求，设计并执行测试用例发现软件缺陷，并对缺陷的生命周期进行跟踪管理
- 在项目中与各团队积极有效沟通，驱动问题解决，推动项目顺利进行
- 维护测试流程，统计和分析测试结果数据，提高测试质量与效率

项目经验

2019 年 11 月至今 某省 WA-WX 平台   测试负责人

该产品是基于依图先进的人工智能算法为某部门监管线上多媒体数据打造的综合应用产品。面向某警种对线上数据有监管职责的客户，帮助他们解决现阶段海量多媒体数据无法快速准确处理的问题。

- 深入了解产品需求，制定测试策略和计划，并设计测试用例
- 搭建测试环境，并 mock 某即时通讯工具的语音、文本等十万量级的数据
- 合理分配测试任务，编写功能测试以及自动化测试用例，并执行用例
- 编写测试报告记录并分析测试中所有问题，识别出风险项并召集项目组会议讨论，推动提出改善对策，并跟踪改善效果

2019 年 5 月至今 某部委 IPIW 系统   测试执行人、测试负责人

该产品以人脸特征识别算法为依托，深入融合物证鉴定业务流程，实现全国"司法人像鉴定"电子化、智能化要求。

- 基于产品定位，制定测试计划，编写测试用例
- 通过 Nginx 技术搭建测试环境：在有限的机器资源条件下，实现数百台系统大规模联动，并进行功能测试
- 使用 Jenkins，K8S 等技术实现系统的自动化打包、部署，以及 UT、接口测试、鲁棒性测试、UI 测试、稳定性测试等
- 执行文档测试、兼容性测试、升级测试和工具测试等
- 编写性能测试脚本，对系统进行千万级人像库 1：N 检索

荣誉奖励

- 2017 年至 2018 学年度**宾夕法尼亚州立大学学术奖学金**
- 2017 年 6 月获**"北京大学优秀毕业生"**称号
- 2015 至 2016 学年获**"北京大学学习优秀奖"**
- 2010 至 2011 学年获**"北京科技大学十佳优秀志愿者"** 称号

基本能力

- 计算机技能：Ansible, Docker, K8S, Python, Java, SQL, Linux, Postman, Git, Maven, Jenkins, Wireshark
- 相关证书：驾驶证，CET-6，PMP，TOEIC，TOEFL，GRE

- 公文写作：熟悉撰写工作报告、计划稿、策划及新闻稿等常用公文

兴趣爱好

- 骑单车（2012 年 6 月单人单车骑行滇藏线 21 天，里程 1842KM;2013 年 12 月环台湾岛骑行，里程 1000KM）
- 健身

William Sun

E-mail: william.sun@pku.edu.cn
Phone number: +86-186-8682-0621/+1-484-954-7668

EDUCATION

August, 2017-December, 2018 **The Pennsylvania State University**
Master of Engineering, Major in Computer Science & Engineering, GPA:3.50/4.00
September, 2015-June, 2017 **Peking University**
Bachelor of Engineering, Major in Software Engineering, GPA:3.77/4.00
September, 2010-June, 2014 **University of Science and Technology Beijing**
Bachelor of Engineering, Major in Metallurgical Engineering, GPA:3.00/4.00

WORK EXPERIENCE

April, 2019-Present **YITU TECH, Software Engineer in Test**   **Shanghai, China**

- Participate in the product demand analysis discussion, modify the products by absorbing constructive opinions and ideas, consequently, to advance product user experience
- Develop test plan and test the cases according to product design, quickly locate defects and track defect change status
- Identify the difficulties and pain points in the test process, develop efficient tools or provide automatic solutions to improve the test quality and efficiency
- Analyze the test report results, find out the deficiencies in the test process, and promote the continuous improvement of the test process and methods
- Familiar with docker, k8s and other related container technologies, realize CI/CD of products based on continuous integration system, promote the landing of DevOps system, and promote delivery efficiency
- Design and execute business test, develop automatic test cases, perform function test, performance test, stability test, robustness test, document test, etc.
- Responsible for the construction, deployment and maintenance of the test environment of related products, able to analyze, locate and solve environmental problems
- Control the test progress of the project, (be able to) identify and control the project risks and uncertainties, maintain smooth communication with the project team, and promote the joint improvement of many parties

January, 2018-May, 2018, **The Pennsylvania State University, Teaching Assistant**   **Pennsylvania, U.S.**

- Assisted the "Spreadsheets and Database" course and lab preparation, teaching, examinations and marking
- Demonstrated and invigilated the operation exercise in the student laboratory

October, 2016-April, 2017, **IDsManager.com, Java Engineer**   **Beijing, China**

- Assisted other engineers to develop business systems based on Spring MVC and Spring Security
- Developed and maintained backend code of the encryption/decryption website
- Individually implemented various encryption algorithm, guided the front end and Android/iOS to implement the algorithm, and applied it to the China Stock security module

June, 2014-December, 2014 **Chinasoft International, Test Engineer**   **Beijing, China**

- Implemented Android phone functional test and system application test
- Learnt product requirements, design and execute test cases to find software defects, then tracked and managed the defect life cycle
- Actively and effectively communicated with evolved teams in the project, dominated to solve problems during the project
- Maintained test process, counted and analyzed test result data, boosted test quality and efficiency

PROJECT EXPERIENCES

November, 2019-January, 2020 **WA-WX Platform**   Test Leader
The product is a comprehensive application product based on the advanced artificial intelligence algorithm for some national department to supervise online multimedia data. For some police customers who have supervision responsibility for online data, help them to solve the problem that massive multimedia data cannot be processed quickly and accurately at this stage.

- In depth understanding of product requirements, developing test strategies and plans, and designing test cases
- Built the test environment, and mock the 100000 level data such as voice and text of some instant messaging tool
- Reasonably assigned test tasks, write functional tests and automated test cases, and execute them
- Prepared test report, recorded and analyzed all problems in the test, identified risk items and convened project team meeting to discuss, pushed forward improvement measures and track improvement effect

May, 2019-Present **IPIW Software System**   Tester/Test Leader
The product is based on face feature recognition algorithm, deeply integrates the business process of physical evidence identification, and realizes the electronic and intelligent requirements of national "judicial portrait identification".

- Based on product positioning, develop test plan and write test cases

- Built test environment through Nginx Technology: realize large-scale linkage of hundreds of systems under the condition of limited machine resources, and carry out functional test
- Utilized Jenkins, k8s and various technologies to accomplish automatic packaging and deployment of the system, as well as UT, interface test, robustness test, UI test, stability test, etc.
- Performed documentation testing, compatibility testing, upgrade testing, tool testing, etc.
- Accomplished performance test script, and searched 1: n for tens of millions level portrait database of the system

AWARDS & HONORS

- Academic Award, 2017-2018 Academic year, The Pennsylvania State University
- Excellent Graduate, June 2017, Peking University
- Certificate of Studying Excellence, 2016-2017 Academic year, Peking University
- Outstanding Volunteer, 2010-2011 Academic year, University of Science and Technology Beijing

SKILLS & CERTIFICATIONS

- Professional Skills: Ansible, Docker, K8S, Python, Java, SQL, Linux, Postman, Git, Maven, Jenkins, Wireshark
- Language Skills: Chinese (Native); English (Fluent)
- Certificate: Driving License, CET-6, TOEIC, PMP

INTEREST

- Cycling (Solo cycling from Lijiang to Lhasa for 1842 km, lasting 21days, in June 2012；Riding around the Taiwan island for 1000 km, in December 2013)
- Basketball regular player