

王潇雨

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EMPLOYMENT

欧特克（中国）软件研发有限公司, 上海, 中国 2017.07 – present
软件研发工程师, Tinkercad.com, Fusion 360

INTERNSHIP

Node.js 开发工程师 2014.07 – 2014.12

浙江天猫技术有限公司, 杭州, 中国

大二学年休学一年, 在阿里巴巴天猫前端基础组工作, 负责 Node.js 相关开发

首席技术官

2016.11 – 2017.05

葡萄科技技术（深圳）有限公司, 上海, 中国

自主创业, 负责全公司技术开发, 搭建黑客马拉松平台 HACKx

EDUCATION

哈尔滨工业大学 2012.09 – 2017.07
软件工程学士 Rank: 10/98

The University of British Columbia, 温哥华, 加拿大

2016.07 – 2016.10

CSC 公派留学项目, 加拿大 Mitacs Globalink Research Internships 科研实习项目

PROJECT EXPERIENCES

Tinkercad —— 浏览器端在线 3D 建模工具 2017.07 – present

欧特克（中国）软件研发有限公司, 上海, 中国

- 面向学生和儿童, 简易的浏览器端在线 3D 建模工具。通过鼠标拖拽即可进行模型编辑。同时也支持在线电子电路设计。对于高级用户, 可以通过 script 脚本生成高级模型。用户模型可以导入到 Autodesk 其他高级设计软件。
- 网站地址: <https://www.tinkercad.com/>
- 关键字: 3D Design, Three.js, Collaborative, Node.js

HACKx —— 黑客马拉松赛事管理平台

2016.11 – 2017.05

葡萄科技技术（深圳）有限公司, 上海, 中国

- 黑客马拉松赛事线上管理平台, 连接赛事承办方和参赛方。将所有比赛过程线上化, 项目展示线上化, 评委可在线上评分、点评。平台已在复旦大学、清华大学、上海交通大学等黑客马拉松中进行使用。
- 网站地址: <https://www.hackx.org/>
- 关键字: Web Platform, Node, PostgreSQL, Vue, Redis

拾忆 —— 图片记忆管理 APP

2015.10 – 2016.02

哈尔滨时光慢递有限公司, 哈尔滨, 中国

- 一款管理、分享、评论图片的移动应用。从零开始设计整体架构, 并负责整体后端架构和代码编写, 协调 10 人的技术团队。整体架构设计可支持 100 万注册用户。
- iOS APP 下载地址: <https://goo.gl/ukwfkK>
- 关键字: Mobile application, Node, Android, iOS, Social Media

Alibaba CDN 监控平台

2014.09 – 2014.12

浙江天猫技术有限公司, 杭州, 中国

- 收集、监控 Alibaba CDN 集群全部机器运行信息, 进行汇总、归类显示。功能包括原始数据的数据整合、实时计算、存储、显示、检测、报警。
- 关键字: CDN, Node, React, Flux, Real-time computing

天猫前端质量检测平台

2014.07 – 2014.09

浙江天猫技术有限公司, 杭州, 中国

- 一套利用 PhantomJS 和 SlimerJS 搭建的前端质量检测平台, 通过编写指定页面的测试脚本, 对特定页面进行自动的监控和检测, 当发生错误时进行报警, 并记录存档。负责全部天猫前端页面的质量检测。
- 关键字: Front-end test, Node, PhantomJs, SlimerJs, Horizontal scaling

PUBLICATIONS

Li, Y., Wu, C., Wang, X., & Luo, P. (2014). A network-based and multi-parameter model for finding influential authors. *Journal of Informetrics*, 8(3), 791-799.

RESEARCH EXPERIENCES

Facebook 社交化认证系统安全研究

2016.07 – 2016.10

Networked Systems Laboratory, The University of British Columbia, 温哥华, 加拿大

- 构建了一个社交网络模型上的安全评价模型。评估并改良了 Facebook 社交化认证系统的安全情况。参与实验室“Defending Against Automated Large-Scale Cyber-Intrusions by Focusing on the Vulnerable Population”科研项目。
- 关键字: Vulnerable Population, Evaluation Model, Social Network

分布式系统上的 RDF 高效存储和查询

2015.05 – 2015.10

海量数据计算研究中心, 哈尔滨工业大学, 哈尔滨, 中国

- 一套完整的 RDF 存储、查询方案。通过扫描数据, 提取数据结构信息, 建立 property tables 和 vertical tables 用以存储 RDF 数据。在 Spark 平台实现的完整 MapReduce 存储、查询算法。
- 关键字: Apache Spark, Scala, RDF

TECHNICAL SKILLS

- 专业的 Node.js 开发能力
- 有大型 web 系统实战项目经历, 对前端开发有一定经验
- 有分布式计算相关科研经历

AWARDS & HONORS

- 2017 年哈尔滨工业大学优秀毕业生
- 2016 年复旦黑客马拉松, 冠军(<https://fdu.hackx.org/>)
- 2016 年北大黑客马拉松, 冠军(<http://hackpku.com/>)
- 受邀参加 2016 年斯坦福黑客马拉松(<https://www.treehacks.com/>)
- 2015 年台湾大学黑客马拉松, 最受欢迎奖、Intel 企业奖、Migo 企业奖(<https://2015.hackntu.org/>)
- 2015 年华中科技大学黑客马拉松, 亚军(<http://hacks.hustunique.com/>)
- 2014 年美国大学生数学建模比赛, Honorable Mention 奖
- 2015 年哈尔滨工业大学校三好学生标兵
- 2013 年哈尔滨工业大学校优秀学生干部

XIAOYU WANG

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EMPLOYMENT

Autodesk Software (China) Co., Ltd. Shanghai, China Jul. 2017 – present
Software Engineer, Tinkercad.com, Fusion 360

INTERNSHIP

Node.js Development Engineer Jul. 2014 – Dec. 2014

Zhejiang Tmall Technology Co., Ltd., Alibaba Group, Hangzhou, China
Leave of absence, Internship in Alibaba Tmall front-end infrastructure group.

Chief Technology Officer Nov. 2016 – May 2017
Grape Tech (Shenzhen) LLC, Shenzhen, China
Be chief technology officer and achieve a platform for organizing hackathons

EDUCATION

Harbin Institute of Technology (HIT), Harbin, China Sep. 2012 – Jul. 2017
Bachelor of Software Engineering Rank: 10/98

The University of British Columbia (UBC), Vancouver, Canada Jul. 2016 – Oct. 2016
CSC Exchange Student, Mitacs Globalink Research Internships

PROJECT EXPERIENCES

Tinkercad — A simple, online 3D design and 3D printing app for everyone Jul. 2017 – present
Autodesk Software (China) Co., Ltd. Shanghai, China

- An online app for 3D design in the web browser, in which designers or students can import or make models easily. And the circuits design or Arduino design are also supported. Advanced users can generate complicated models by coding shape generator script. The models can be imported into other professional design software.
- Site Address: <https://www.tinkercad.com/>
- Keywords: 3D Design, Three.js, Collaborative, Node.js

HACKx — A platform for organizing hackathons Nov. 2016 – May 2017
Grape Tech (Shenzhen) LLC, Shenzhen, China

- A web platform for organizing hackathons, in which the applicants and the organizer complete the competition process online. All the projects submitted are exhibited and judges can evaluate them with customized rules.
- Site Address: <https://www.hackx.org/>
- Keywords: Web Platform, Node, PostgreSQL, Vue, Redis

Shiyi — An image memory storage mobile application Oct. 2015 – Feb. 2016
Harbin Timepost Co. Ltd., Harbin, China

- A mobile application, which can save users' image memories and share pictures with friends. Additionally, the app uses location and date information to generate digital album. With this, users save memories on this platform and recall those memories with friends or families by unique show ways.
- iOS Application Address: <https://goo.gl/ukwfk>
- Keywords: Mobile application, Node, Android, iOS, Social Media

Alibaba CDN monitoring and display platform

Sep. 2014 – Dec. 2014

Zhejiang Tmall Technology Co., Ltd., Alibaba Group, Hangzhou, China

- This platform obtains all CDN machines monitoring data from the Alibaba monitoring platform, then secondary processes and displays the status. Besides it has the function of real-time computing, storage, display, detection and alarm. Using variable methods and index to analyze. It can also get history data easily.
- Keywords: CDN, Node, React, Flux, Real-time computing

Tmall front-end quality testing platform

Jul. 2014 – Sep. 2014

Zhejiang Tmall Technology Co., Ltd., Alibaba Group, Hangzhou, China

- The front-end timing quality testing platform, which can generate test cases by a script and detect the potential exception in specified page and then alarm automatically. This system can extend horizontally and overcome single machine performance bottlenecks with the increasing number of machines.
- Keywords: Front-end test, Node, PhantomJs, SlimerJs, Horizontal scaling

PUBLICATIONS

Li, Y., Wu, C., Wang, X., & Luo, P. (2014). A network-based and multi-parameter model for finding influential authors. *Journal of Informetrics*, 8(3), 791-799.

RESEARCH EXPERIENCES

Security of Social Authentication on Facebook

Jul. 2016 – Oct. 2016

Networked Systems Laboratory, UBC, Vancouver, Canada

- Achieve an evaluation model to assess the security in a social network. And improve the social authentication mechanism on Facebook to increase the security value. It is a practical experiment of “Defending Against Automated Large-Scale Cyber-Intrusions by Focusing on the Vulnerable Population”.
- Keywords: Vulnerable Population, Evaluation Model, Social Network

Efficient Distributed RDF Storage and Query Processing on Clusters

May 2015 – Oct. 2015

Huge Amounts of Data Computing Research Center, HIT, Harbin, China

- Efficient management of RDF data using property tables and vertical tables by scanning the construction of data with a creative unique algorithm. And an intact query solution with MapReduce join algorithm on Apache Spark for quick query on distributed clusters.
- Keywords: Apache Spark, Scala, RDF

TECHNICAL SKILLS

- Have proficient Node.js background development skill.
- Have knowledge and experience in full-stack engineering development and web server system architecture.
- Have knowledge and experience in SQL, Spark, Matlab, MongoDB.

AWARDS & HONORS

- Outstanding Graduate of the University in 2017
- Participated in 2016 HackxFDU Hackathon, First Prize(<https://fdu.hackx.org/>)
- Participated in 2016 HackPKU Hackathon, First Prize(<http://hackpku.com/>)
- Participated in 2016 Stanford Hackathon(<https://www.treehacks.com/>)
- Participated in 2015HackNTU Hackathon, the Most Popular Award, Intel Enterprise Prize and Migo Enterprise Prize(<https://2015.hackntu.org/>)
- Participated in 2015 HUST Unique Hack Day Hackathon, Second Prize(<http://hacks.hustunique.com/>)
- Honorable Mention, 2014 Mathematical Contest In Modeling
- Pacemaker to Merit Student of the University in 2015
- Excellent Student Cadre of the University in 2013