

张昊哲

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| https://haozhe-zhang.netlify.app/ | 求职意向: 后端实习生

教育经历

南加州大学 (USNews 全美排名 25)	2022 年 1 月–2023 年 12 月
计算机科学硕士, GPA 3.75/4.00	
佛罗里达大学 (USNews 全美排名 29)	2020 年 1 月–2021 年 8 月
管理硕士, 本硕连读, GPA: 3.56/4.00	
佛罗里达大学 (USNews 全美排名 29)	2016 年 8 月–2020 年 12 月
计算机科学学士, GPA 3.62/4.00	

实习经历

斯伦贝谢	2022 年 5 月–2022 年 8 月
Schlumberger-Doll Research-软件开发实习生	美国马塞诸塞州剑桥 (波士顿)
<ul style="list-style-type: none">使用 Umi.js 以及平台内钩子函数开发了公司的可视化平台的监控后台并展示当前活跃用户以及任务运行进度。使用 INT GeoToolkit API 重构了可视化平台的 Logplot, 在新 Logplot 中用户允许在一个图中可视化多条日志。使用 Three.js 中的 TrackballController 重构了平台中 3D 渲染功能的控制器并保证在特定环境下程序的控制方式依旧正常。	
小米	2021 年 9 月–2021 年 12 月
原软件与体验部-前端开发实习生	北京
<ul style="list-style-type: none">使用 Next.js, TailwindCSS 以及其他工具开发了 MIUI13 的 TV 页面 (miui13.home.miui.com/tv) 中包括大量动画在内的数个部分并适配多端, 开发期间通过与设计师的持续交流不断更改动画以及布局方案并达到设计师及公司预期实现百万日活。支援小米社区开发团队完成开发产品库后端管理平台中包括启动页和新产品管理模块等新功能的双十一 P0 需求。复刻苹果官网的 MacBook Pro 产品展示页面的数个高级动画方案以进行 MIUI 网站动画方案的技术储备。使用 Egg.js 以及 MySQL 开发集团隐私政策管理平台新接口, 包括调取历史隐私政策版本及向服务端发布隐私政策版本等。	
阿里巴巴	2021 年 5 月–2021 年 8 月
阿里云-基础产品事业部-前端开发实习生	浙江杭州
<ul style="list-style-type: none">在 React 框架下开发阿里云控制台新界面和新功能, 包括 VPC 高级特性页面, 路由表换绑解绑交换机等操作。熟练使用 React, Handlebars 等技术栈, 开发并维护旨在提升大量前端人员介入时团队开发效率的代码生成器。使用 Robot Framework 开发 DHCP 选项集及 SAG 页面测试用例并整理为教程文档缩短自动化测试学习曲线。	

技术能力

前端/移动端开发: JavaScript/TypeScript, HTML, CSS/Less/Tailwind, React/Next.js, Redux/MobX, React Native, RxJS

后端开发: Node/NestJs/Egg.js, Python, Java, Spring Boot, Spring MVC, Flask, Thymeleaf, Kafka

数据库: MySQL, Firebase, MongoDB, MyBatis, Hibernate, Sequelize, Redis

机器学习: Pandas, Numpy, PyPlot, Seaborn, Sklearn

项目开发经历

牛客网复刻	2022 年 12 月–2023 年 1 月
使用 Spring Boot , Spring MVC , MySQL , MyBatis , Redis , 以及 Kafka 开发并于谷歌云部署了程序员论坛牛客网的复刻。	
<ul style="list-style-type: none">基于 Spring MVC, Spring Boot, Spring Security, Thymeleaf, MyBatis 和 Redis 开发了用户登录, 账号设置, 私信, 帖子, 回复, 点赞, 以及关注模组, 并且实现了权限管理, 邮件激活, 验证码生成等诸多功能。使用 Kafka 分布式消息队列实现了用户点赞, 关注, 回复事件的快速系统通知推送。在谷歌云的 E2-Medium 实例上部署了该项目 (http://35.184.221.134/)。利用 Quartz 实现每 5 分钟周期性计算帖子排名, 并使用 Caffeine 的缓存功能提升了项目运行效率。在项目中整合 Spring Boot Actuator 和 Spring Security 并暴露项目的数个端点以及允许特定用户计算网站的 DAU 和 UV。	
Humming	2020 年 4 月–2020 年 9 月
使用 React Native 设计和开发了一个安卓 APP, 模拟在旧金山调配的无人机和机器人为用户提供即时交付服务。	
<ul style="list-style-type: none">开发全部 7 个应用界面, 上线用户身份验证, 路线规划, 下单服务, 状态查询, 用户信息编辑等功能, 并通过实现路线计算和绘制, 坐标地址转换和上线支付系统等功能大幅提高用户体验和项目完整度。基于 Firestore 设计实现 RESTful API, 构建下单以及订单管理, 支付信息生成和认证, 以及地址管理系统。	

Haozhe (Alex) Zhang

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EDUCATION

University of Southern California

Master of Science in Computer Science, GPA 3.75/4.00

January 2022–December 2023

University of Florida

Master of Science in Management, Combined Degree, GPA 3.56/4.00

January 2020–August 2021

University of Florida

Bachelor of Science in Computer Science, Cum Laude, GPA 3.62/4.00

August 2016–December 2020

TECHNICAL SKILLS

Frontend/Mobile Development: JavaScript, TypeScript, HTML, CSS, Less, Tailwind, React, Next.js, Redux, MobX, RxJS, React Native, Spring MVC, Thymeleaf

Backend Development: Node/NestJs/Egg.js, Python, Java, Spring Boot, Spring Security, Flask, Redis, Kafka

Databases: MySQL, Firebase, MongoDB, MyBatis, Hibernate, Sequelize, Redis

Machine Learning: Pandas, Numpy, PyPlot, Seaborn, Sklearn

INTERNSHIP EXPERIENCE

Schlumberger

May 2022–August 2022

Software Developer Intern / Schlumberger-Doll Research

Cambridge, MA

- Created a backend management module with **React** to monitor current status of company's visualization platform.
- Refactored platform's Logplot with **INT GeoToolkit APIs**, allowing users to visualize multiple logs within one single track.
- Redesigned controller mechanism for geographic 3D visualizer renderer written in **Three.js** for better user experience.
- Revamped development and testing experience by transplanting existing 13 unit test cases from Linux to Windows.

Meta Force, LLC.

March 2022–May 2022

Software Developer Intern

Beverly Hills, CA

- Developed company's official website with animations and responsive design with **React, Redux, Tailwind**, and **Vite**.
- Built and hosted multiple official websites of company's NFT products on Heroku, leading to a profit of \$10 thousand.

Xiaomi

September 2021–December 2021

Software Developer Intern & Intern Interviewer / Department of MIUI Experience

Beijing, China

- Developed multiple sections for MIUI 13's official website (miui13.home.miui.com/tv) with **Next.js** and **Tailwind**, and adjusted visual effects to match department's changing expectations and achieved 1 million DAU.
- Boosted operations team's work efficiency by developing splash screen and product library management modules for Xiaomi Community's backend with React to enable automated splash screen and product management.
- Carried out new APIs for Xiaomi Group's privacy policy management platform with **Egg.js** and **MySQL-Sequelize**, enabling administrators to access published privacy policies and publish new policies through server to clients, etc.
- Enriched animation solution pool by analyzing and reproducing animations on Apple MacBook Pro's official website.

Alibaba

May 2021–August 2021

Software Developer Intern / Alibaba Cloud Utility Products Business Unit

Hangzhou, Zhejiang, China

- Expanded functionality and improved usability of Alibaba Cloud by implementing new features, varying from constructing the Advanced Features page of VPC to carrying out the VSwitch change-of-binding module of VRouter-Table, resulting in an indirect increase in revenue of \$0.2 million.
- Devised a code generation solution with **React.js** and **Handlebars.js** in order to enhance efficiency and ensure efficient throughput of large frontend development teams.
- Wrote automated test cases for DHCP Options Set and Smart Access Gateway and created tutorial documentation to improve new employees training efficiency by 20%.

PROJECTS

Nowcoder

December 2022–January 2023

Engineered and hosted a social media application with **Spring Boot, Spring MVC, MySQL, MyBatis, Redis**, and **Kafka**.

- Implemented user login, profile settings, direct message, post, comment, like, and follow modules via **Spring MVC, Spring Boot, Spring Security, Thymeleaf, MyBatis**, and **Redis** including email activation, **Kaptcha** generation, etc.
- Devised system notifications for user like, follow, and comment events by utilizing **Kafka** to achieve a fast response.
- Deployed the project on a **Google Cloud** e2-medium instance hosted at <http://35.184.221.134/>.
- Utilized **Quartz** to recurrently calculate post rankings every 5 min and **Caffeine** to enhance program efficiency via caching.
- Integrated **Spring Boot Actuator** and **Spring Security** to expose project endpoints and calculate UV and DAU of the site.

Humming

April 2020–September 2020

Programmed a mobile application simulating delivery service via drones and robots within San Francisco in the Agile fashion.

- Engineered all 7 screens to provide functionalities of user authentication, solution planning, order creation, status tracking, profile information modification, etc., with **React Native** and **Firebase**.
- Enhanced user experience by integrating polyline drawing, route computation, coordinate translation and payment services.
- Devised APIs for order creation and management, payment information generation and validation, and address management.

InMotion

November 2019–September 2020

Engineered a real-time web app in order to analyze human facial expressions from webcam and video by sorting emotion data into 7 categories and displaying data with a visual diagram.

- Constructed user authentication module with **Node.js, Express.js**, and **Mongoose**, and blurred user auth info with **JWT**.
- Applied **Firestore** to store facial expression data uploaded every 100 frames for further facial expression analyses.

