

SIJIA (KEN) ZHU

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EDUCATION

Northeastern University Silicon Valley, San Jose, CA Sep 2017 - May 2020
Master of Science in Computer Science Award: CCIS Innovative Scholars Scholarship GPA :3.8
Southern California Institute of Architecture, Los Angeles, CA Master of Design Sep 2014 - Sep 2015
North China University of Science and Technology, Bachelor of Engineering Sep 2005 - Sep 2010

TECHNICAL KNOWLEDGE

Blockchain : Solidity, Motoko, Remix, Foundry, Tenderly, Openchain, Phalcon
Web Technologies: Java, React, Redux, Spring Boot, Angular, Node.js, JQuery, React Native, Ruby on Rails
Database: MySQL, MongoDB, PostgreSQL
Courses: Scalable Distributed Systems, Computer Human Interaction, Data Mining Techniques, Machine Learning, Database Management Systems, MEAN Stack Web Development, Algorithms Computer Systems, Object Oriented Design & Analysis, Data Structures

WORK EXPERIENCE

Secure3 (Audit Contest Platform <https://www.secure3.io>), Remote Jun 2023 - Nov 2023
Blockchain Security Engineer

- Participated in all processes of audit contest: estimation, kick-off, grading, audit, report, archive, feedback response
- Security Incident Response, website scape, audit reports benchmark, team code maintenance and update

LianAnChengDu (Beosin <https://beosin.com>), Chengdu, China July 2022 - Apr 2023
Blockchain Security Engineer

- Smart Contract Audit. Solidity project (ETH, Arbitrum): ERC20, ERC721, UniswapV2, NFT Market, NFT Auction, ETH 2.0 staking like project, SafeMoon like project. ICP chain project: DIP20
- Security Incident Response, Funds Tracking, Overseas Technical Communication, Audit Report Template Update

BottlesTonight, San Francisco, CA Jan 2019 - Apr 2019
Software Engineer Intern React/Redux/Rails/PostgreSQL

- Implemented new features on website (facebook login, display subscribe clubs/events on profile etc) and admin dashboard(filters for searching clubs/users)
- Simplified backend APIs and improved algorithms for price change tool and city-subscriber apps to cut off response time for all frontend platforms

SELECTED PROJECTS

Audit Contest Project in Secure3 Jun 2023 - Nov 2023
more projects at <https://github.com/pazsj003/smartContractAuditing>

- Contest Grading: DappOS(1k code line, 20 submissions grading), Fun Wallet(2k,131), Gambit-wemix(1.2k,47), Lynex(2.5k,116), TakerProtocol(4.7k,38), Nativ3DAO(1.1k,50)
- Audit Reports Benchmark: Fun Wallet, Gambit

NodeDAOProtocol Audit Jan 2023 - Feb 2023

- Smart contract of liquid staking derivatives for ETH 2.0. Audit includes: Oracle module, Registry module, Rewards module, TimelockController module and staking module
- Findings: 1 Critical risk, 3 High risk, 7 Medium risk, 3 Low risk and 7 Info risk

Fitness-Network Website React/Spring Boot/Mysql Aug 2018 - Aug 2018

- Designed Social Network for fitness includes profile, friends, posts, gyms with yelp and google map APIs.
- Devised a system to recommend gyms and coaches by user preference which can auto scheduling fitness plan based on user & coach free time slot.
- Built a mechanism for control multi-level access and communications of users and gyms

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微信: ken_zhusijia | 个人网站: <https://github.com/pazsj003/smartContractAuditing>

教育经历

美国东北大学 | 计算机科学硕士 | 东北大学CCIS创新奖学金 | GPA:3.8 2017.09 - 2020.05

分布式系统, 网站开发, 数据库管理, 算法, 计算机系统, 数据结构, 区块链技术与应用

美国南加州建筑研究所 | 设计学硕士 2014.09 - 2015.09

华北理工大学 | 工学学士 2005.09 - 2010.05

技能

- **区块链**: Solidity, Motoko, Remix, Foundry, Tenderly, Openchain
- **开发**: Java 并发编程 (并发工具, CAS, AQS, 并发容器, 线程池, JMM), Jvm (垃圾回收, 性能调优), Spring, RocketMQ, MySQL, Mycat, Redis

工作经历

Secure3 (竞赛审计平台, <https://www.secure3.io>) 2023.06 - 2023.11

区块链安全工程师 远程

- 参与审计竞赛项目所有流程, 包括项目预估, 上线竞赛准备, 打分, 审计, 报告, 归档, 客户沟通。打分标准的制定, 归纳漏洞点
- 安全事件整理收集分析发表, 定期爬取网站数据, 审计报告对比研究, 团队项目代码更新维护

成都链安科技有限公司 (Beosin, <https://beosin.com>) 2022.07 - 2023.04

区块链安全工程师 成都

- Solidity项目审计 (ETH, Arbitrum), 包括ERC20, ERC721, 类uniswapV2, 类NFT市场, NFT拍卖项目, NFT游戏, 类Lido 以太坊2.0质押, 类SafeMoon项目, DEX项目, DAO项目。ICP链类DIP20
- 安全事件分析, 资金追踪。海外技术沟通。审计模版更新

BottlesTonight 2019.01 - 2019.04

软件工程师实习 Redux/Rails/PostgreSQL 美国旧金山

- 在网站上实现新功能(Facebook登录, 在个人资料上显示订阅俱乐部/活动等)和管理页面(搜索过滤功能)。
- 优化改进后端APIs, 优化数据库读取, 改进价格变化工具和城市用户App的算法

项目经历

Secure3 竞赛审计项目 2023.06 - 2023.11

更多项目在<https://github.com/pazsj003/smartContractAuditing>

- Contest Grading: DappOS(1k code, 20 submission grading), Fun Wallet(2k,131), Gambit-wemix(1.2k,47), Lynex(2.5k,116), TakerProtocol(4.7k,38), Nativ3DAO(1.1k,50)
- Audit Report Benchmark: Fun Wallet, Gambit

NodeDAOProtocol (Beosin) 2023.01 - 2023.02

Solidity审计

- 流动性抵押衍生品的以太坊2.0 智能合约。本次审核包括: Oracle模块, Registry模块, Rewards模块, TimelockController模块和stake模块
- 1 Critical-risk, 3 High-risk, 7 Medium-risk, 3 Low-risk and 7 Info-risk