

WENYE (ALEX) ZHANG

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EDUCATION BACKGROUND

University of California, Los Angeles (UCLA) 09/2021 - 03/2023

Samueli School of Engineering, Computer Science MS program

GPA: 3.83/4.0, Relevant Courses: AI, Computer Systems Architecture, Cryptography, Wireless Networks

Shanghai Jiao Tong University (SJTU) 09/2016 - 06/2018

Shanghai Advanced Institute of Finance, Master of Finance

GPA Ranking: 2nd of 51, Scholarships: CFA Awareness, Graduate Excellence

Shanghai Jiao Tong University (SJTU) 09/2012 - 06/2016

School of Mathematical Science, Bachelor of Science in Mathematics and Applied Mathematics

GPA: 3.93/4.3, Ranking: 2nd of 80, National Scholarship, Graduated with Honor

PROFESSIONAL EXPERIENCE

Amazon Web Service

Software Development Engineer 05/2023 - Present

- Led the development and release of the 100% Coverage Map, a groundbreaking structure for CloudFormation's Contract Test framework, increasing contract coverage from 50% to 100%, and reducing execution time by 43%
- Led the full life-cycle development of the Tagging Security Test Suite, identifying 100+ tagging issues and eliminating future tagging errors in new resource types
- Drove the end-to-end migration of critical AppConfig and EC2 resources to CloudFormation Registry (***Awarded Brilliant Beginner, Award of Appreciation from Infrastructure as code***)
- Designed and deployed the Insight Report, the front-end for Contract Test, cutting severe operational requests from 5 per week to nearly zero
- Resolved key operational issues in CloudFormation, including eliminating throttling, timeout issues, and reduced deployment time by 67%

Amazon

Software Development Engineer Summer Intern 06/2022 - 09/2022

- Developed solutions to monitor the voice middleware in over 150 million devices, and designed and implemented a tool based on AWS CloudWatch to automatically generate dashboards and alarms
- Utilized Java for the back-end and shell scripts for the front-end to provide CLI for users to create, update, and delete dashboards and alarms, and employed SQL to query data from Athena
- Integrated the monitoring tool into a continuous delivery pipeline to enable full automation

ZS Associates

Strategy Insights & Planning Associate/Associate Consultant 07/2018 - 10/2020

- Specialized in sales force optimization for top multi-national corporations in the healthcare market, using Python tools for market size estimation and data analysis
- Led projects on resources optimization, forecast modeling, and market understanding, resulting in improved projection accuracy by 40% and increased customer user coverage by 31%

SKILLS & RESEARCH

Programming:	Java/Kotlin, Python, C/C++, Ruby, Bash, TypeScript, Ruby, Swift, SQL, JavaScript
Software/Platform:	AWS, CI/CD, CDK, Tableau, Excel, Word, PowerPoint, Access, MySQL
Research Projects:	SIM-based Local Failure Diagnoses, A Novel Approach to LoRa Failure Handling Overcharging attacks against 5G/4G mobile devices, NB-IoT Devices Support