

Qiang Yuan

Gainesville, FL 32607 | acrazytomas@gmail.com

1-352-888-3789 | <https://www.linkedin.com/in/qiang-yuan-622014221>

Education

Concurrent Master of Science in Computer Science & Electrical and Computer Engineering
University of Florida, Gainesville, Florida

Jan 2021-Dec 2023

GPA-3.60

Relevant Courses: Computer Network, Virtual Computer, Machine Learning, Principle of Computer System Design, Analysis of Algorithms, Advanced System programming, Distributed Operating System Principles

Bachelor of Engineering in Software Engineering
Guangzhou University, Guangzhou, China

Sep 2015-July 2019

GPA-3.44 (top25%)

Relevant Courses: Operation System, Introduction to Artificial Intelligence, Analysis and Design of Algorithms Discrete Mathematics (I), Data Structure, Senior Net Development Technology

Technical Skills

Programming Languages: Java, Python, C/C++, JavaScript, Linux Shell scripting

Tools & Frameworks: Git, AWS, Docker, Maven, Node.js, Anaconda, Pthread, Pytorch

DataBase: Oracle, MySQL, DynamoDB, SQLite

Experience

Novineer Inc, Daytona Beach, FL(Remote)

Sep 2023-Current

Cloud Engineer | Python, Docker, Git, AWS SAM, REST API, JavaScript, Hubspot

- Orchestrated AWS Elastic Container Service(**ECS**) deployments, optimizing **Docker** container efficiency and scalability with task definitions and Auto Scaling Groups(ASG).
- Designed **RESTful API** architectures with Lucidchart, ensuring REST compliance and clear workflow visualization.
- Implemented 17 REST APIs into scalable serverless solutions using AWS Serverless Application Model (**SAM**) and **Lambda**, integrated with **API Gateway**, achieving sub-3-second response times.
- Implemented secure storage and retrieval of large files in Amazon **S3** using **pre-signed URLs**. Create and store various types of data within 5 NoSQL tables, implement **GSI** for efficient data retrieval in AWS **DynamoDB**.
- Authored **unit tests** and **integration tests** for 42 Lambda functions using **Pytest** and Moto, slashing post-deployment issues by 90%, build and maintain **CI/CD** pipeline via AWS SAM and **Github Actions**.
- Deployed frontend applications on AWS **Amplify** and streamlined API documentation in Postman for frontend teams, saving 70% communication time.

ShardingSphere, Apache (Remote)

Mar 2023-June 2023

Open-source Contributor/Volunteer | Java, Maven, SpringBoot

- Added properties verification for ReadQueryLoadBalanceAlgorithm in read/write splitting module.
- Implemented system tables and views query for different databases, especially for the sys schema in MySQL.

Selected Projects

Amazon-like Product Detail Web Page | Typescript, LESS, CSS, HTML, AWS

July 2023-Aug 2023

- Implemented dynamic pricing mechanism based on user-selected product options using JavaScript.
- Integrated other product displays, comprehensive product details, and descriptions.
- Deployed the website via AWS, achieving optimal uptime and performance.
- Accessible at: <http://qiang-gmail.s3-website.us-east-2.amazonaws.com/>

Anonymous Netflix Films Reviews Analysis Based on Graph Algorithms | Java

Jan 2021-Feb 2021

- Processed and generated graphs among billion of reviews from 480 thousand reviewers within limited memory.
- Analyzed relationship among different reviewers by generating connective components in graph.

Management System for Office Automation (OA) | Java, SSH, JSP, jQuery

Jan 2019-Feb 2019

- Led a 7-member team and designed the research scheme, assigned tasks, and managed project progress.
- Added new functions, including management of meeting rooms, data exporting, automatic access to relevant external websites' information, and attendance management.

Competitions and honors

Group Programming Ladder Tournament, Second prize (a total of 444 teams from different universities) | July 2016.

ACM/ICPC China Guangdong provincial Programming Contest, Prize of Excellence | Jun 2016.