

Yilong (Allen) Zhu

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Education

Emory University | Atlanta, GA

May 2020

B.S. in Computer Science/Mathematics

GPA: 3.72/4.00

B.A. in Comparative Literature

Technical Skills

Languages: Java, Golang, Python, SQL, HTML/CSS, JavaScript

Technologies: Cloud Computing (AWS, GCP), RESTful API, Swagger, Containerization, Spring, Flask

Experience

Amazon | Seattle, WA

June 2021 – present

Software Development Engineer

- Currently working on Amazon Devices Detail Pages

PayPal | San Jose, CA

June 2020 – Jan 2021

Software Engineer

- Maintained and enhanced internal test environments by adding new features such as cloning and provisioning new standalone databases, faster manifest approval, and improved logs with Splunk
- Scaffolded database provisioning service to provide API specification and endpoints, OpenCensus tracing, logging, and exporting to Google Cloud's operating suite
- Developed ability to mimic cross-country and cross-continent production traffic in internal testing system by creating grouping capabilities of user test environments with specialized routing
- Designed feature to track test environment usage and cost metrics at the individual, team, and department level to increase efficiency and lower operating costs

PayPal | San Jose, CA

May 2019 – Aug 2019

Software Engineer Intern

- Designed and built system to clean and aggregate roughly 12,550 streaming inserts per second of internal test framework request logs to build ETL tables stored in Google BigQuery
- Created RESTful API using Golang and Swagger to eliminate the 5% data loss present in existing log-viewer
- Analyzed microservice performance and test failures to provide previously unavailable anomaly detection and root cause analysis

Noble Systems | Atlanta, GA

May 2018 – Aug 2018

Software Engineer Intern

- Developed PHP web app to increase visibility of ticket lifecycles and project statuses by 300% by compiling and analyzing project and user data from several thousand daily tickets
- Patched out security vulnerabilities caused by antiquated MySQL connection APIs

Personal Projects

QuickBites!

- Built service using Java and Spring Boot to generate recommendations for restaurants by using the Yelp API in combination with location services to find restaurants close in radius to the user
- Designed a lightweight and mobile-responsive front-end using HTML, CSS, and vanilla JavaScript

Personal Website | yilongzhu.com

- Created Google Compute instance to proxy calls with NGINX and provision SSL certificates
- Set-up NGINX to proxy Compute instance traffic to Google Storage and redirect WWW to non-WWW and HTTP to HTTPS