

Kaiyue Lu

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5454 Peterson Ln, Dallas, TX 75240

Education

University of Virginia, Charlottesville, VA

Aug 2017 - May 2019

M.S. Computer Science, May 2019, GPA: 3.85/4.0

Rutgers State University, New Brunswick, NJ

Aug 2014 - May 2017

B.S. Computer Science, May 2017, GPA: 3.61/4.0

Experience

Amazon Web Services - Cloud Support Engineer - Dallas, TX, August, 2019 - Present

- Troubleshoot technical inquiries related to customer implementations to identify root causes of network/system issues using AWS services.
- Replicate customer code to identify AWS service level issue.
- Provide solutions for performance optimization and customer infrastructure spanning multiple AWS services including Lambda, API Gateway, Step Function, SNS, etc

AEEC, LLC - Google Cloud Platform Intern - Alexandria, VA, May, 2018 - Aug, 2018

- Implemented alert web application using Flask and deployed by GCP App Engine(Python, JS).
- Predicted flow rate/WQ elements using Prophet package in DataLab(Python).
- Used BigQuery, Data Studio to query table and build report using data from IoT devices(SQL).

Rutgers University - Research Assistant - Piscataway, NJ, Sep, 2016 - May, 2017

Implemented 3D visualization to realize environment casting and virtual environment setting simulation using C#, Visual Studio, Unity, and HoloLens.

Projects

Werewolf Judge Project

Implemented a mobile app using Swift for user to act as judge in Werewolf card game

Internet of Trillions of Things(IOTT) Project

- Implemented an Android SOS app on smart watch using Bluetooth to detect nearby devices.
- Sent and retrieved real-time locations of itself and nearby devices to/from BigQuery.

Game Review Text Mining Project

Categorized game reviews to different aspects and used sentiment analysis to assign different scores to each aspect, then calculated the total game score based on weights.

Certificate

AWS Certified Solutions Architect Associate - Validation# WHH8RY5D2EEE1VGE, Mar, 2021 - Mar, 2024

Technical Skills

AWS, Java, C++, Python, Swift, JavaScript, HTML, CSS, Android, C#, SQL, C, R, MATLAB

Relevant Courses

System Programming	Software Methodology	Internet Technology	Computer Architecture
Database Management	Data Structures & Algorithms	Artificial Intelligence	Software Testing