Kaiyue Lu

571-279-2692
lukaiyue@amazon.com
https://aabcceccbba.github.io
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

- Understand customer's use case and troubleshoot issues in customer's application related to AWS services including Lambda, API Gateway, Step function, IoT, SNS, Connect, etc.
- Educate customers with best practices and knowledge to use AWS services.

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

Internet of Trillions of Things(IOTT) Project; University of Virginia, Charlottesville, VA, Oct, 2018 - Dec, 2018

- 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; University of Virginia, Charlottesville, VA, Oct, 2017 - Dec, 2017

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.

Artificial Intelligence Projects; Rutgers University, Piscataway, NJ, Sep, 2015 - Dec, 2015

- Designed autonomous path planning and object avoidance algorithms for bird flight patterns.
- Programmed user rating algorithm to predict user satisfaction based on previous ratings.

Leadership

Rutgers Cyber Security Club - Secretary - New Brunswick, NJ, Jan, 2016 - Dec, 2016

Arranged RuSec workshop contents and speakers; sent emails and notifications to members.

Technical Skills

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

Relevant Courses

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