

Kaiyue Lu

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<https://aabcceccbba.github.io>

235 Yellowstone Drive, Charlottesville, VA 22903

Education

University of Virginia, Charlottesville, VA

Aug 2017 - Present

M.S. Computer Science, May 2019, **GPA: 3.93/4.0**

Rutgers State University, New Brunswick, NJ

Aug 2014 - May 2017

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

Dean's List: Fall 2014 - Spring 2017

Experience

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.

BRUCE ARNOLD FOUNDATION - SUMMER INTERNSHIP, NY, JUN - AUG, 2016

- Created a tonal ear training application for musicians using C++.
- Designed the ear training application GUI to connect with MIDI I/O (C++, JUCE, MIDI I/O).

Projects

GAME REVIEW TEXT MINING PROJECT; UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE, VA, OCT 2018 - PRESENT

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.

PHOTO ALBUM ANDROID PROJECT; RUTGERS UNIVERSITY, NEW BRUNSWICK, NJ, NOV - DEC 2016

Used Android Studio to create a photo album application. Functionalities include adding, deleting, and renaming albums/photos, adding and searching tags, and displaying photos.

ARTIFICIAL INTELLIGENCE PROJECTS; RUTGERS UNIVERSITY, PISCATAWAY, NJ, SEP - 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 - DEC 2016

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

Technical Skills

Java, C++, Python, SQL, C, Android, JavaScript, HTML, CSS, R, MATLAB, PhotoShop, Premiere

Relevant Courses

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