

# Renhao (Lukas) Xue

SOFTWARE ENGINEER · EMORY UNIVERSITY

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My website: <https://lukas-xue.github.io/Profile-Page/#about-me>

## About Me

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**Programming** C++/C · Python · Java · PHP · Javascript · Swift · Pascal

**Analytics** SQL · MQL · Excel · MatLab · R · Stata

**Other Skills** AWS · Firebase · HTML/CSS · Linux · Git/GitHub

## Work Experiences

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### Amazon.com, Inc.

*Seattle, WA*

SOFTWARE DEVELOPMENT ENGINEER INTERN

*May. 2022 - Aug. 2022*

- Worked in AWS Managed Streaming Kafka (MSK) team
- Replaced the MSK's current monolithic canary testing with a serverless canary testing using AWS serverless stack: Lambda Function, Step Function, DynamoDB, EventBridge, CloudWatch, CloudFormation
- AWS Certified Developer - Associate

### A.P. Moller-Maersk Group

*Shenzhen, China*

SOFTWARE ENGINEER INTERN

*May. 2021 - Aug. 2021*

- Optimized Less-Than-Container-Load algorithm by Dynamic Programming
- Reconstructed real-time tracking website's frontend using HTML/CSS/Javascript, PHP, and Axure
- Automated excel data cleaning using Python

### Emory University

*Atlanta, GA*

STUDENT RESEARCHER && TEACHING ASSISTANT && COMPUTER LAB REPRESENTATIVE

*Sept. 2021 - Now*

- Directed Research with topics on Data mining and Graph Neural Networks
- Undergraduate Teaching Assistant for CS326 - Analysis of Algorithms
- Maintained CS lab MySQL database management system

## Projects & Activities

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### Students & Faculties Website

- Built and maintained a dynamic website that is based on Apache2 Web Server and uses MySQL as database
- Wrote PHP scripts for displaying dynamic content and performing queries to the database, allowing users to view course content, grade assignments, and post questions and replies to other users
- Designed the website using HTML/CSS/Javascript

### Global Conference on Educational Robotics

- Programmed in C/C++ to automate the robots
- Designed and built multiple robots using servo motors, electric DC motors, and sensors
- Attended technical track sessions on various aspect of robotics, AI, and cybernetics

## Education

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### Emory University

*Atlanta, GA*

COMPUTER SCIENCE MAJOR, MATHEMATICS MINOR

*Sep. 2019 - May. 2023*

- GPA: 3.93/4.00
- Dean's List, Honor List, PES National Honor Society, AEU National Honor Society