

Renhao (Lukas) Xue

SOFTWARE ENGINEER · EMORY UNIVERSITY

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About Me

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

Analytics SQL · MQL · Excel · MatLab · R

Other Skills HTML/CSS · Linux · Git/GitHub · Firebase · AWS (novice)

Work Experiences

Emory University

Atlanta, GA

RESEARCH ASSISTANT && TEACHING ASSISTANT && COMPUTER LAB REPRESENTATIVE

Sept. 2021 - Now

- Researched in Influence Maximization problems and experiments on baseline methods
- Worked as an Undergrad Teaching Assistant for CS326 - Analysis of Algorithms
- Performed queries on the CS lab MySQL database management system

A.P. Moller-Maersk Group

Shenzhen, China

SOFTWARE ENGINEER - WEB DEV TEAM

June. 2021 - Aug. 2021

- Work was done remotely
- Optimized Less-Than-Container-Load algorithm by Dynamic Programming
- Reconstructed real-time tracking website frontend using HTML/CSS/Javascript, PHP, and Axure
- Automated data cleaning tasks using Python

Ocean University of China

Qingdao, China

RESEARCH ASSISTANT

June. 2019 - Aug. 2019

- Predicted botanical categories using Machine Learning algorithms
- Developed mathematical models and graphs using Python and Excel

Projects

Heart Disease Prediction

- Implemented data preprocessing techniques
- Implemented multiple Machine Learning algorithms to predict the rate of having a heart disease
- GitHub: <https://github.com/Lukas-Xue/Heart-Failure-Prediction>

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
- GitHub: <https://github.com/Lukas-Xue/Mystro>

Global Conference on Educational Robotics

- Programmed in C/C++ in KISS IDE 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
- Won GCER outstanding programming, GCER outstanding teamwork, Overall Second Place prizes

Education

Emory University

Atlanta, GA

COMPUTER SCIENCE MAJOR, APPLIED MATHEMATICS MINOR

Sep. 2019 - May. 2023

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