

Jiayu Lu

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<https://jlu628.github.io/PersonalWebsite/>

OBJECTIVE

Seeking internship opportunities related to web development, software development or data analysis.

EDUCATION

Georgia Institute of Technology

Atlanta, USA

Candidate for B.S. in Computer Science and B.S. in Mathematics

2019 – 2023 (anticipated)

- Computer Science with concentration in Intelligence and Information Internetworks
- Mathematics with concentration in Probability and Statistics
- Cumulative GPA: 4.0/4.0

SKILL

Programming

- Java, Python, C/C++, NodeJS, ReactJS, Solidity, MySQL, Firestore, AWSObject Oriented Programming, Computer Vision, Blockchain, Relational Database, Operating System, Artificial Intelligence, Internet Protocols, Probability and Statistics

Experience

StudyFind Medical Blockchain Database

Jan. 2021 – Dec. 2021

- In collaboration with StudyFind, a research organization from Emory University, our team designed and built an android app that gives patient autonomy over their medical records, and guarantees security while they share their medical records with doctors across institutions.
- Front end written in ReactNative and back end in NodeJS. Files are stored on Google firestore and Ethereum networks.

Qidian Inc. - Startup

Mar. 2021 – Dec. 2021

- Startup project under the CreateX program at Georgia Tech. We built an iOS app that connects to a special chessboard via bluetooth to allow online go Games in a physical form.
- The Python server is integrated with the Katago AI to support advanced functions such as play against AI, win-rate prediction and post game analysis.

Georgia Tech's Chinese Students and Scholars Association (GTCSSA)

Nov. 2019 – present

- **The GTCSSA Official Website** serves as a freshman handbook for Chinese students. It also integrates functions such as tutorial finding and second-hand trading platform. The website gained over 1000 views in the past year and is also available as a WeChat Applet.
- **One Week Couple** is a full-stack web application for the valentines day special event. It intends to help single students experience what it feels like to be in a relationship and potentially find their significant others. Our team designed a matching algorithm to pair hundreds of participants into couples and "date" for a week.

Projects

Discord Bots

- Interactive Discord bots Written in python and deployed on AWS. Each bot has distinct functionalities such as translate message or turn images into ASCII arts.

Anime Face Generator

- A Deep Learning project to generate anime face images. A GAN model was trained with several optimizing techniques including the multi-scale gradient structure and spectral normalization.