

Jiayu Lu

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OBJECTIVE

Seeking internship and full-time opportunities as software engineer, web development and 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 major with concentration in Intelligence and Information Internetworks
- Mathematics major with concentration in Probability and Statistics
- Cumulative GPA: 4.0/4.0

SKILLS

Programming

- Java, Python, C/C++, NodeJS, ReactJS, Solidity, MySQL, Firestore, AWS

Concepts & Coursework

- Object Oriented Programming, Computer Vision, Blockchain, Relational Database, Operating System, Machine Learning, Internet Protocols, Probability and Statistics

Experience

StudyFind Medical Blockchain Database

Jan. 2021 – Dec. 2021

- A project in collaboration with StudyFind, a research organization from Emory University. We designed and built an android app that stores medical data in the Ethereum blockchain.
- My tasks in this project include architecture and data-flow design, backend (an interface to the Ethereum network) implementation, testing and deployment, and documentation writeup

Qidian Inc. - Startup

Mar. 2021 – Dec. 2021

- Startup project under the CreateX program at Georgia Tech. The team built an iOS app that connects to a special chessboard via bluetooth to allow online go Games in a physical form.
- My role was the backend developer, and I was responsible for implementing and deploying a python server integrated with the Katago AI. The server provides interfaces to advanced functionalities such as playing 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**, also serves the purpose of helping new international students to get accustomed to college life in an unfamiliar culture environment. I was a front-end developer for this project, and I built the index page, the members' page and a portion of the events page.
- **One Week Couple** is a full-stack web application for the valentines day event hosted by the GTCSSA. It intends to help single students meet their significant others. It pairs hundreds of participants in pairs and assign them tasks over the following week to help them get to know their partners better. I was the project lead of the team, and also a full-stack developer. I was responsible for implementing the backend data storage and the matching algorithm, as well as APIs for the front end. In addition to that, I keep track of the team's progress and assign tasks to team members.

Projects

Anime Face Generator

- A Deep Learning project for generating anime face images. I implemented and trained a GAN model using PyTorch following [this paper](#) (the multi-scale gradient architecture). The model can now stably outputs 256x256 results.