

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 (Co-op)

Jan. 2021 – Dec. 2021

- Developed the backend of a blockchain application that aims to improve security in medical data storage.
- Participated in tasks involving the backend architecture and data-flow design, smart contracts development and deployment to fully support secure data access in the Ethereum network, and development documentation writeup.
- Learned to perform software engineering processes in business production. Our team designed UI using Figma, managed progress using Git and Zenhub, and tested with MochaJS.

QiDian Technology (Internship)

May. 2021 – August. 2021

- Developed a scalable data-processing server in Python as a part of a chess game application. The server integrates with the Katago AI to provide advanced functionalities such as playing against AI, win-rate prediction, and post-game analysis.
- Gained hand on experience with REST API design and cloud computing technologies like Heroku and AWS.

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

Nov. 2019 – present

- **The GTCSSA Official Website:** homepage for Georgia Tech's Chinese Student & Scholars' Association. Built the frontend for the website using Bootstrap in a team. Also gained website maintenance experiences.
- **One Week Couple:** a full-stack web application that intends to help single students meet their significant others.
I was the project leader of the team, and also a full-stack developer. I implemented a matching algorithm to pair participants up based on their information, and developed a NodeJS server that stores users' data on Google Firestore. Aside from programming, I also gained leadership experiences by keeping track of the team's progress and assigning tasks to team members based on their strengths.

Projects

Anime Face Generator

- A Deep Learning project for generating anime face images. I implemented the GAN model using PyTorch and Jupyter Notebook following [this paper](#) (on the multi-scale gradient architecture). The trained model is able to stably generate 256x256 results.