

Jun Chen

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Education

Georgia Institute of Technology | Atlanta, GA

August 2021 – May 2023

Master of Science in Computer Science, GPA 3.85

Georgia Institute of Technology | Atlanta, GA

August 2017 – May 2021

Bachelor of Science in Computer Science, GPA 3.82

- Awards: President Undergraduate Research Award Spring 2021, Best Use of Authorize.Net (HackGSU 2019)

Experience

Cloudera

May – August 2021

Software Engineer Intern

Santa Clara, CA

- Built an Apache Spark Simulator for Dynamic Autoscaling Executors
- Analyze and Parse Spark Driver Logs and Event Logs for implementation of executor scaling heuristics

Georgia Tech Student Government Association – Information Technology Board

January 2019 – May 2021

Full-Stack Engineer

Atlanta, GA

- Created course and professor search for students interested in the grade point average or letter grade percentages of offered courses with AWS Elasticsearch, AWS Lambda, and AWS API Gateway, AWS RDS
- Assisted with React Frontend user interface
- Averages more than 30,000 queries per week

Federal Reserve Bank of Atlanta

May – August 2019

Software Engineer Intern

Atlanta, GA

- Implemented three chatbots with Microsoft Bot Framework and Webchat with React, ASP.NET, Microsoft QnA Maker, Microsoft LUIS, and Azure Search to improve bank examination, FAQs about the bank, and people search
- Developed an audio conversion and speech-to-text transcription with sentiment analysis, key phrases, entities extraction

Digital Design Laboratory

May 2019 – August 2020

Undergraduate Teaching Assistant (Lead Teaching Assistant: 8/2019 – 8/2020)

Atlanta, GA

- Assist and check off 20+ students weekly on their laboratory assignments
- Help students debug their combinational logic circuits, sequential circuit elements, and programmable logic arrays in Altera Quartus, Protoboards, Logic Analyzers, and Oscilloscopes

Projects

Cuda Runtime System for x86 | CUDA, C++, LLVM (GT HPArch Lab Research)

- Implementing CUDA runtime for x86 architecture
- Uses LLVM to manipulate generated PTX assembly

Zkolio | Typescript, Vue.js

- Project Directory for the zksync protocol

Distributed OpenDroneMap | Python, GRPC, OpenDroneMap

- Implemented OpenDroneMap with GRPC for distributed 3D reconstruction
- Workshop: "DynaaDCP: Dynamic Navigation of Autonomous Agents for Distributed Capture Processing"
 - http://prism.sejong.ac.kr/dossa-4/dossa_paper/DynaaDCP_Final.pdf

2nd Generation Sports | JavaScript, Flask, AWS DynamoDB, Python NLTK

- Created Flask application for research data collection of possible 2nd generation athletes for collegiate sports teams
- Developed a universal web scraper which extracts possible 2nd generation athlete from college rosters with Python NLTK

Skills

Languages: Java, Python, C, C++, JavaScript, Scala, Node.js, Rust (beginner)

Technologies: Docker, MongoDB, OpenCV, GitHub, AWS, Vue.js, React.js, MySQL

Platforms: Linux (Ubuntu,), Windows, macOS

Languages: English (fluent), Mandarin (beginner)