

XiaoXiang Zhong

(248) 513-1288 • xmas@gatech.edu

EDUCATION

Georgia Institute of Technology

Atlanta, GA

M.S.E in Computer Science, Dec 2022

Specialization: Computing Systems, GPA: 4.0

University of Michigan

Ann Arbor, MI

B.S.E in Computer Science, April 2020

B.S.E in Electrical Engineering, April 2020

EXPERIENCE

Michigan Medicine

Ann Arbor, MI

Software Application Researcher (Oct 2020 - May 2021)

- Integrated Google's Neuroglancer in Python with Javascript through Flask and sockets to create a custom GUI for Michigan Medicine's nTracer to allow neuron image tracing online

Amazon

Detroit, MI

Software Development Engineer Intern (Jun 2020 - Aug 2020)

- Retrieved relevant information and main topics from user feedback through natural language processing using AWS Comprehend
- Created a dashboard with React-Redux and machine learning outputs to visualize major trends in user feedback to allow internal teams to pinpoint issues

Siemens Healthineers

Issaquah, WA

Software Application Intern (May 2019 - Aug 2019)

- Bridged a reporting system to an ultrasound medical instrument GUI to allow fast and large data generation for efficient model testing
- Modified existing system to allow successful communication with outdated C++ and C# code to repair and increase features in the development tool

PROJECTS

Multithreaded Getfile Protocol (Class Project)

- Implemented an HTTP-like protocol to transfer files between a client and a server through socket programming in C to mimic cURL
- Sped up information transfer through parallel programming using pthreads in C to allow multiple client threads to send requests and download files simultaneously

Convolved Cinema Experience (Class Project)

- Classified movies through supervised learning using convolutional neural networks with rectified linear unit activation function and recreating each layer of the CNN

SKILLS

Languages

- C++, Javascript, SQL, C, C#, Python, Java, HTML

Environment

- NodeJS, AWS (APIG, Lambda, DynamoDB, S3, Comprehend, CloudWatch)