

XiaoXiang Zhong

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

M.S.E in Computer Science, May 2022

University of Michigan

Ann Arbor, MI

B.S.E in Computer Science, May 2020

B.S.E in Electrical Engineering, May 2020

EXPERIENCE

Amazon

Detroit, MI

Software Development Engineer Intern (June 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- Modified existing system to allow successful communication with outdated C++ and C# code to repair and increase features in the development tool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

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
- Classified movies through unsupervised learning using autoencoders to reduce dimensionality, then reconstructing it to find the closest group it belongs to using pytorch

Supervised Verification of Movies (Class Project)

- Classified movies based on the sentiment of a list of reviews through feature extraction and a list of sentimental word dictionary
- Trained SVMs by using 5-fold cross validation to find the best fitting kernel (linear or quadratic) through scikit learn and stochastic gradient descent

SQL + MongoDB Tables (Class Project)

- Explored SQL language by connecting and retrieving tables through functions and views
- Explored MongoDB by retrieving data using MongoDB integrated with Javascript

SKILLS

Languages

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

Environment

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