Xinyue Yu

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EDUCATION

University of Southern California, *Los Angeles, CA*   May 2023
Master of Science, Communication Data Science   GPA: 3.15
University of Minnesota (Twin Cities), *Minneapolis, MN*   May 2021
Bachelor of Arts, Computer Science with a Minor in Statistics   GPA: 3.88

SKILLS

Topics Data Processing, Machine Learning
Programming Languages Java, Python, C, Ocaml, etc.
Database Management MySQL, MongoDB, Amazon DynamoDB, Firebase, Hadoop HDFS.
Tools Scikit-learn, GitHub, Pandas, NumPy, Apache Spark, PyTorch, etc.

WORK EXPERIENCE

Student Worker, *Viterbi School of Engineering, CA*   October 2021-January 2022
- Conducted video data processing, annotating.

Research Assistant, *College of Science and Engineering, MN*   February 2021-May 2021
- Conducted video data processing, annotating on Computer Vision Projects for Professor Hyun Soo Park.
- Anonymizing video data sets on university supercomputing cluster (MSI).

Teaching Assistant, *College of Science and Engineering, MN*   September 2020-May 2021
- Actively assisted 90+ students in Discrete Structures of Computer Science (CSCI2011) on Piazza and office hours.
- Graded 385 students' homework and exams through Grade scope.
- Gained ELP score 1 for English proficiency in tutoring.

INVOLVEMENT

ESL Tutor, *Literacy Minnesota, MN*   September 2020-January 2021
- Tutored oral English twice a week via zoom as one-to-one English tutor.
- Organized weekly study materials, created conversational topics practice, TOEFL preparation.
- Tutored third-grade math problems once a week via zoom as one-to-one math tutor.

ACADEMIC PROJECTS

Predicting chances of getting Alzheimer's using personal information and MRI images   October 2021-December 2021
Link
- Using jQuery, JavaScript, HTML and CSS tools to complete a webpage for realization.
- Building online real time machine learning application using Heroku and deployed with classification on text data.
- Allowing users to input personal information to predict the chances of getting Alzheimer's with webpage.

Blather Chat Server/Client   January 2021-May 2021
Link
- Utilizing C to generate a chat service between server and multiple clients.

Visual Transit Simulator Software   September 2020-December 2020
Link
- Using Java, Google Check style, UML diagram tools to complete a Transit Simulator Software.
- Writing over 60 test cases for all classes to check feasibility of the software.