

Xueming Xu

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OBJECTIVE

- Seeking a summer 2022 software development engineer internship, available May – August 2022
- Proficient in C/C++, Python; Familiar with JavaScript, Java, Hadoop, SQL, CUDA, MATLAB, R, HTML/CSS, Latex

EDUCATION

University of Michigan

Master of Science in Computer Science and Engineering

GPA: 4.0 / 4.0

Courses: Parallel Computing, Parallel Computing with GPU, Advanced Computer Vision

Ann Arbor, MI

2021.09 – 2023.04

University of Michigan

Bachelor of Science in Computer Science and Engineering

GPA: 3.96 / 4.00

Courses: Web System, Database, User Interface Dev, Search Engine, Machine Learning, Data Mining, Nat Lang Proc

Ann Arbor, MI

2019.09 – 2021.04

Shanghai Jiao Tong University

Bachelor of Science in Electrical & Computer Engineering

Courses: Data Structure & Algorithm, Supply Chain Management, Honors Math

Shanghai, China

2017.09 – 2019.08

WORK EXPERIENCE

Mira Video Co.

Software Engineer Internship

- Developed a marketable offline multi-streamed recording solution named Mira Camera that achieves streaming uploading, cloud processing, speaker detection and automatic video clipping
- Integrated and adapted the SOTA active speaker detection algorithm into the Mira Camera
- Designed, implemented, tested, optimized, and parallelized the backend workflow of the Mira camera
- Customized the front-end Android and IOS application according to specific customer needs

Shanghai, China

2021.06 – 2021.08

PROJECT EXPERIENCE

Instagram Web Development

Course project in Web System

- Built an Instagram web application achieving most functions of real Instagram
- Built a Flask server application maintaining database and handling requests from the Rest API
- Implemented a client-dynamic front-end application in JavaScript and React framework

Ann Arbor, MI

2020.2 – 2020.3

Unsupervised Medical Timeline Summarization

Term project in Advanced Natural Language Processing

- Implemented a rule-based algorithm tagging each sentence in Reddit posts with a time interval and clustered sentences with overlapping time intervals
- Devised an unsupervised encoder-decoder based neural model generating phrase summary of medical conditions in each time interval

Ann Arbor, MI

2020.10 – 2020.12

RESEARCH EXPERIENCE

Language and Information Technologies (LIT)

Research Assistant, advised by Prof. Rada Mihalcea

- Collected and investigated a new dataset consist of writings of people who manifest intention to changes; Provided new insights into the motivation-related behavior of people who persist with their intention to change via multiple linguistic analysis techniques (second authored paper accepted at SocialNLP WorkShop @ NAACL 2021)
- Modeled alumni donation behavior using text-aware graph embeddings; Analyzed the intrinsic connection between alumni's donation, their majors and their clicks on monthly engagement emails; Potentially will strengthen university's alumni bonds (co-first authored paper submitted to ACL 2022)

Ann Arbor, MI

2020.4 – 2021.9

PUBLICATION

- Meixing Dong, **Xueming Xu**, Yiwei Zhang, Ian Stewart, Rada Mihalcea, "Room to Grow: Understanding Personal Characteristics Behind Self Improvement Using Social Media", SocialNLP Workshop @ NAACL 2021