

Zhuoran Su (Andrew)

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Education

Northwestern University

Bachelor of Arts

Evanston, Illinois

Expected June 2023

Majors/Minor: Computer Science, Mathematics Methods in Social Science

Cumulative GPA: 3.97/4.0

Relevant Coursework: Fund. of Comp. Programming I & II; Data Structures & Algorithms; Design & Analysis of Algorithm; Human-Computer Interaction; Intro to Systems; Math Foundations of Comp. Sci.; MENU Linear Algebra & Multivariable Calculus

Technical Experience

Intern, DELOS System at NU's Center for Deep Learning

Mar.2020-Sept.2020

DELOS(Deep Learning Model Serving System) is an open-source system addressing deep learning needs for automating deployment, scaling, and management of containerized applications. My contributions included:

- Working on full-stack development of the system under Professor Diego Klabjan's guidance;
- Designing front-end structure and developing the website with Python Flask, JQuery, Bootstrap.js, and AJAX;
- Integrating fellow researcher's deep learning back-end API with the website for deep learning model demonstration;
- Developing the benchmark pipeline with Deep Learning Multi-layer Perceptron model by Tensorflow and Keras;
- Rewriting research paper codes to Tensorflow v2;
- Demonstrating the project in monthly meetings to sponsors including Google Cloud, Nvidia, AllState, Abbvie, etc.

Peer Mentor, Northwestern Computer Science Department

Sept.2020—Present

- Selected to be the mentor for COMP_SCI 214: Data Structures & Algorithm;
- Responsible for weekly 4-hour office hours for over 100 students.

Developer, Scope Northwestern (<http://scopenu.com/>)

Nov. 2019—Present

Scope is a start-up at the Garage that aims to promote student engagement with the Evanston business community via personalized platforms. My roles in the team are:

- Participating in daily operations;
- Working as a full-stack developer, with front-end website in HTML and Google Firebase as backend database structure;
- Working on scripts that automatically handles incoming data streams with Javascript.

Python Engineering Intern, Xinhua Bookstore's Technical Department

August. 2019

- Developed Python web scraper for indexing 5000+ logos of publishing houses in collaboration with the bookstore;
- Analyzed 1000+ bookstore posts on Weibo using web crawler and Python NLP tools on sentiments & word frequencies.

Skills

Programming Languages: Python, Javascript, C++, HTML, CSS, C, Java

Libraries: React.js, Flask, Bootstrap, jquery, nltk, jieba, D3.js, echarts.js, Tensorflow & Keras, Pandas

Awards: Award for Excellence in Mathematics By a First Year, issued by Northwestern Mathematics Department, Honorable Mention in Unicode SC+ Hackathon (8 in 83 teams)

Activities: "Metchup" WebApp Project, Social Media managements(4 accounts, up to 3000 subscribers), NESP(Northwestern Emerging Scholars Program)

Language: Fluent in English and Chinese, beginner in Japanese