

Yu (Alex) Yan

347-941-8081 | alex.yan@nyu.edu | [linkedin.com/in/alexyuyan/](https://www.linkedin.com/in/alexyuyan/)

EDUCATION

New York University

Bachelor of Science in Computer Science

GPA: 3.9, Dean's List

New York, NY

Expected May 2024

Relevant Courses: *Data Structures and Algorithm, Object-Oriented Programming, Computer Organization, Data Analysis, Machine Learning*

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML / CSS, Java, C++

Frameworks: React, Node.js, Flask, Django, Springboot, MongoDB

Developer Tools: Git, Conda, VSCode, PyCharm, WebStorm

EXPERIENCE

Undergraduate Research Intern

NYU AI4CE Lab

May 2022 – Present

New York, NY

- Developing a video summarization neural network with visual place recognition technique using PyTorch
- Devised a new benchmark baseline for summarizing videos containing intense geological data
- Designed and optimized the project pipeline of an unsupervised method as proof of concept
- Worked in groups to code and fine-tuned a prototype of the network, yielding initial results

Software Development Engineer Intern

China Telecom Co., Ltd

May 2021 – Aug 2021

Shenzhen, China

- Developed a new popup notification system for the regional customer reward web application using Vue
- Generated new RESTful APIs using Springboot for up to 80% efficiency improvement
- Restructured the SQL scripts for user data analysis to include a more precise ARPU calculation
- Refined user portrait generation process in collaboration with the customer support department

Tech Service Manager

Sanli International Education Group

May 2020 – Aug 2020

Shenzhen, China

- Maintained a LAN-based TOEFL mock test web application with over 100 users from the institution
- Supervised students' online assignments and in-class performance in multiple TOEFL and other ESL courses
- Tracked student information in a database and analyzed student performance to improve teaching methods

PROJECTS

NYU CSSA Website | *Python, Flask, React*

Oct 2021 – Present

- Developing an official website for NYU Chinese Student Association
- Leading a group of three and coordinating the project pipeline to fit the association's requirement
- Collaborating with other departments of CSSA for information integration and user analysis

PageNext! | *Arduino, C++*

Feb 2021 – Jun 2021

- Designed an automatic page turner to improve the reading experience for people with Parkinson's disease
- Developed the controlling software mechanism for the Arduino board with C++
- Manufactured a fully functional page-turner prototype using 3D-Printed components
- Awarded 2021 NYU Nick Russo Award given to exceptional design projects