

Chengyu Zhang

Shanghai, 200092 China · (+86)13817495450 · cz1627@nyu.edu · <https://mstxy.github.io>

EDUCATION

New York University Shanghai, Shanghai, China

Expected Graduation date: May 2023

Majors: Data Science (Concentration in Artificial Intelligence), double major in Interactive Media Arts

Current GPA: 3.959/4.0

Relevant Courses: Application Lab, Communication Lab, Critical Data & Visualizations, Introduction to Computer Science, Data Structures, Machine Learning, Database Design and Implementation, Artificial Intelligence, Reinforcement Learning, Linear Algebra, Probability and Statistics, Multivariable Calculus, Econometrics, Linear and Nonlinear Optimization.

Pudong Foreign Language School, Shanghai, China

September 2012 to June 2019

SELECTED PROJECTS

Emojified Social Media, <https://github.com/MstXy/Emojified-Social-Media>

April 2020

- Scrape Twitter using Python and filtered them to only include tweets with emojis.
- Use Python library and datasets to determine text sentiment and emoji sentiment.
- Design website using d3.js to visualize the result with respect to emoji combinations, position, spam, sentiment.
- Exhibited at *FutureLab 2020*.

Boosting Few-Shot Segmentation via Instance-Aware Data Augmentation and Local Consensus Guided Cross Attention,

- Sponsored by NYU Shanghai Deans' Undergraduate Research Fund (DURF). August 2022
- Submitted to Microsoft Winter Conference on Applications of Computer Vision (WACV) 2023.

Research and Implementation of Video Semantic Segmentation, with Possible Improvements,

August 2021

- Research into state-of-the-art papers in video semantic segmentation, implement the algorithms and explore possible improvements in the algorithms.
- Sponsored by NYU Shanghai Deans' Undergraduate Research Fund (DURF).

EXPERIENCE

Interactive Media Arts, NYU Shanghai

Lab Assistant,

October 2019 - May 2020

- Manage check-in, check-out and maintenance of devices and equipment in Interactive Media Arts' Laboratory.
- Manage and make analysis on IMA course supply budget using Google sheet.

Lab Technician,

May 2020 - Present

- Make and deploy computer image for school laptops (MacOs and Windows), install and setup applications.
- Be the inventory system admin, manage and maintain physical and virtual assets.
- Offer technical support to students and professors on computers and audio-video devices.
- Contact vendors and associate with various school departments for daily IMA operations.
- Cooperate with the manager on IMA operation, including the hiring process.

Computer Vision Research Assistant, Mentor: Prof. Li Guo, **NYU Shanghai**

April 2022 - Present

- Conduct individual and teamed research in the field of computer vision.

Research Assistant at the Human-Data Interaction Lab, NYU Abu Dhabi

October - December 2021

- Design and visualize database algorithms and data structures in D3.js and JavaScript.
- Document code used for visualizations and maintain the latest version on shared GitHub repositories.

Member of the Media Committee, OnCenturyAvenue, Shanghai, China

July 2020 - August 2021

- Help to maintain the website based on WordPress using HTML, CSS, JavaScript and basic PHP.
- Design and publish news to websites and WeChat official account.

Model United Nation, Weland, Beijing, China

Assistant Director

August 2019

- Participated in WeMUN EXPO 2019 UNDP conference as an Assistant Director, hosting and making record of the conference for 3 days and a half.

Delegate

August 2016

- Participated in WeMUN EXPO 2016 ECOFIN conference as a Delegate on the topic of Pollution, won the Diplomacy Award.

LEADERSHIP ACTIVITIES

Volunteer, Weland, Beijing, China

July - August 2019

- Volunteered for 7 days in Beijing, helping staffs to manage the Youth Leadership Summer Camp. Tasks involving translation for classes, activity arrangement and management, blog posting.

Students Union, Pudong Foreign Language School, Shanghai, China

September 2016 - June 2018

- In charge of the school environment department. Hold meetings for students and assign tasks on maintaining the school environment.
- Established several campaigns on campus on environment protection.
- Co-organized several successful students' activities with members of the Students Union.

SKILLS

Programming: Python, HTML, CSS, JavaScript, R, PyTorch, Swift, MySQL, Julia.

Documenting: Microsoft Office applications, Google Sheets, Google Slides, Google Docs.

3D modeling: Fusion360, Cinema 4D.

Design and Creation: Adobe Audition, Photoshop, Premiere, Illustrator, Unity.

Languages: Fluency in Chinese and English, beginner in French.

GRE: 166 (Verbal) + 170 (Quantitative) + 4.5 (Analytical Writing)

TOEFL: 116 (Reading: 30, Listening: 30, Speaking: 30, Writing: 30)

HONORS

Dean's List for Academic Year, **NYU Shanghai**

June 2022

Dean's List for Academic Year, **NYU Shanghai**

June 2021

Dean's List for Academic Year, **NYU Shanghai**

June 2020

2022 Recognition Award, **NYU Shanghai**

July 2022

2021 Recognition Award, **NYU Shanghai**

July 2021

2020 Recognition Award, **NYU Shanghai**

July 2020

NYU Shanghai Global Elite Scholarship, **NYU Shanghai**

August 2019

INTERESTS

Guitar, Computer programming, Game ideas, Web development, Artificial intelligence, Hip hop music.