

EDUCATION

New York University , Tandon School of Engineering <i>M.S. in Computer Science</i> , awarded a scholarship of \$6,000	New York, NY Sep 2023 – May 2025
New York University , NYU Shanghai <i>B.S. in Data Science, minor in Computer Science</i> <i>One-year study-away at New York University, New York Campus</i>	Shanghai, China Sep 2019 – May 2023 Sep 2021 – May 2022

SKILLS

- **Lingual:** proficient in English and Chinese speaking/writing
- **Programming:** Intermediate level in Python, JavaScript, Git VCS; an advanced beginner in Linux terminal and a beginner with C++ and Java.
- **Office & G-Suite:** familiar with Office suite and Google suite (e.g., Google sheets, PowerPoint, etc.)

ON-CAMPUS EXPERIENCE

Chinese Admissions Ambassador, NYU Shanghai Chinese Admissions Office	Oct 2019 to May 2023
<ul style="list-style-type: none"> • Hosted or co-hosted online/in-person panels for information sharing and advertising admissions events. • Led weekly campus tours during weekends and present NYU Shanghai to potential students and their parents. • Assisted in the admission process by performing data cleaning/analysis on applications and provide quantitative insights. 	
Resident Assistant, NYU Shanghai Office of Residential Life	Aug 2020 to Jun 2021
<ul style="list-style-type: none"> • Reached out to and collaborate with different departments/other RAs to hold meaningful on-campus events for residents. • Shouldered responsibilities like bulletin board, resolving issues resident may encounter, assessing and escalating crisis. 	

PROFESSIONAL EXPERIENCE

eBay Inc., Software Engineering Intern	Shanghai, China
<i>Built, improved, and redesigned some of eBay's cloud platform UIs</i>	Sep 2022 – Jul 2023
<ul style="list-style-type: none"> • Average-Time-to-Business (ATB) Dashboard <ul style="list-style-type: none"> ◦ Proposed a web-based dashboard for live monitoring of cluster status and on-going CRs. ◦ Led the implementation of the ATB dashboard as a modern single-page application by employing Redux, Antd UI library. ◦ Updated the dashboard periodically to cater to different needs, serving a team of over 60 infrastructure engineers. • KeyHub (encrypted email UI for password exchanges) <ul style="list-style-type: none"> ◦ Migrated eBay's KeyHub from Vue to React to align with eBay's frontend tech stack. ◦ Upgraded KeyHub's encryption library to the latest OpenPGP for enhanced security. ◦ Refactored over 95% of the code for reduced API calls, faster rendering speed, and ease of use (tooltips and feedback). ◦ Integrated the new KeyHub to eBay's cloud console UI as a plugin using JS-Plugin. • Public L7 Rule UI <ul style="list-style-type: none"> ◦ Built an extremely user-friendly UI for configuring and viewing the status of public L7 rules on eBay's cloud platform. ◦ Embedded helpful validation feedback for most fields in the L7 rule form via API calls (async)/Regex (real-time). ◦ Designed a robust auto filling mechanism to manage the complex dependencies/relationships between fields. 	
Kaizntree Ltd., Full-stack Engineer	New York, NY & Remote
<i>Established a startup building a one-stop management platform for small businesses (website here)</i>	Sep 2021 – Sep 2022
<ul style="list-style-type: none"> • Kaizntree UI & Backend <ul style="list-style-type: none"> ◦ Adopted VueJS combined with Vuetify component library to offer users a consistent and fluid UI experience. ◦ Carefully designed and delivered a one-stop platform covering needs from inventory transaction processing, product building and sales to item tracking via QR codes, helping over 40 small businesses to manage their workflow. ◦ Leveraged Django's versatility to build backend services that support rollbacks and agile responses to allow safer version iterations and cater to evolving user demands. • NYU Summer Launchpad <ul style="list-style-type: none"> ◦ Got selected to the 2023 NYU summer launchpad under our team's effort and strong technical foundation. ◦ Received a \$10,000 non-dilutive funding and \$10,000 AWS credits for running our online platforms. 	

RESEARCH & PROJECTS

Few-shot Segmentation with Adaptive Data Augmentation and Cross Attention	NYU Shanghai
<i>Research Assistant mentored by Professor Li Guo. Co-authored a paper and submitted to CVPR 2023</i>	Mar 2022 to May 2023
<ul style="list-style-type: none"> • Proposed an instance-aware data augmentation strategy to improve support image diversity and reduce distribution inconsistency between query and support images in low-data regimes. • Incorporated a 4-D consensus cross attention module to align query and support features for improved generalization ability. • Used PyTorch to build a scalable codebase for few-shot segmentation research, enabling easy backbone swaps and semi-auto experience in running experiments on Linux high-performance computing clusters. • Set up a neat and re-usable visualization codebase (based on Open-CV, PyTorch, and plotting libraries like Matplotlib) with well-documented APIs to help verify and visualize the results of our proposed model. 	
Multimodal Online Student Engagement Dataset	SMART-LAB NYU Abu Dhabi
<i>Research Assistant mentored by Professor Hanan Salam</i>	May 2021 to Mar 2022
<i>Co-authored a paper and published on Nuclear Physics B journal.</i>	
<ul style="list-style-type: none"> • Created an engagement detection dataset in online learning settings with post-class survey results as auxiliary label. • Established a CNN-RNN hybrid model that processes spatial and temporal signals as the baseline for the dataset. • Adopted statistic tools like significance tests to validate the correlation between personality evaluations and engagement levels. 	