**EDUCATION**

**New York University**, Tandon School of Engineering New York, NY

*M.S. in Computer Science*, awarded a scholarship of $6,000 Sep 2023 – May 2025

**New York University**, NYU Shanghai Shanghai, China

*B.S. in Data Science, minor in Computer Science* Sep 2019 – May 2023

*One-year study-away at New York University, New York Campus*  Sep 2021 – May 2022

* Cumulative GPA: 3.9/4.0, Data Science Major GPA: 3.96/4.0
* Honors & awards: Magna cum Laude, NYU Honors Scholar, NYU Shanghai Excellence Award
* Courses: Applied Internet Technologies, Data Structures, Databases, Information Visualization, Computer Architecture

**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

* 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

* 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

*Built, improved, and redesigned some of eBay’s cloud platform UIs*  Sep 2022 – Jul 2023

* **Average-Time-to-Business (ATB) Dashboard**
  + 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)**
  + 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**
  + 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

*Established a startup building a one-stop management platform for small businesses (website* [*here*](https://www.kaizntree.com/)*)* Sep 2021 – Sep 2022

* **Kaizntree UI & Backend**
  + 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**
  + 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

*Research Assistant mentored by* [*Professor Li Guo*](https://shanghai.nyu.edu/academics/faculty/directory/li-guo)*. Co-authored a paper and submitted to* ***CVPR 2023*** Mar 2022 to May 2023

* 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

*Research Assistant mentored by* [*Professor Hanan Salam*](http://www.hanansalam.com/)May 2021 to Mar 2022

*Co-authored a paper and published on* ***Nuclear Physics B*** *journal.*

* 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.