

EDUCATION

New York University

Sep 2023 – May 2025

M.S. in Computer Science, recipient of a prestigious, merit-based scholarship of \$6,000/year.**New York University**

Sep 2019 – May 2023

B.S. in Data Science, with a minor in Computer Science.

- GPA: 3.91/4.0 cumulative; 3.96/4.0 Data Science major.
- Honors & awards: *Magna cum Laude*; *NYU Honors Scholar*.
- Computer vision researcher focusing on semantic segmentation in few-shot learning scenarios.

Relevant courses (B.S. and M.S.): *Applied Internet Technologies* (full-stack dev), *Data Structures*, *Databases*, *Computer Architecture*, *Algorithms*, *Software Engineering* (agile dev), *Intro to Java*.

SKILLS

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- **Lingual:** working proficiency in English, familiar with common technical terms in programming.
 - **Programming:** Proficient in **JavaScript**, **Python**, **Java**, and **SQL**, familiar with **Bash**.
 - **Development:** Familiar with **PyTorch**, **ReactJS**, **Django**, **Spring Boot**, **Agile** (scrum), **CI/CD** (Travis CI), **Git VCS**, **VS Code**, **IntelliJ**, knowledge on **Docker**, **Kubernetes (k8s)**, **UNIX**, and **AWS**.

PROFESSIONAL EXPERIENCE

Kaizntree Co., *Co-founder*, and *Full-stack Engineer*

Sep 2021 – Present

Co-founded a powerful one-stop management platform for small businesses.

- **Kaizntree Small Business Management Platform**
 - Built a comprehensive management platform powered by VueJS, Django, and PostgreSQL for 50+ small businesses, seamlessly integrating with major sales channels like Shopify and Square.
 - Combined Django's backend wizardry with agile development (scrum) and CI/CD, allowing Kaizntree to meet customers' ever-changing demands and be customer centric.
- **NYU Summer Launchpad**
 - Stood out in the prestigious 2023 NYU Summer Launchpad program, a testament to Kaizntree team's dedication and strong technical foundation.
 - Secured a \$10,000 non-dilutive funding and \$15,000 in AWS credits.

eBay Inc., *Software Engineering Intern* at Infrastructure Engineering Team

Sep 2022 – Aug 2023

Drove innovative project initiatives, modernized UIs, automated tasks for infrastructure engineering.

- **Average-Time-to-Business (ATB) Dashboard**
 - Conceptualized and proposed a web-based ATB dashboard for real-time monitoring of clusters and ongoing change requests (CRs), enabling efficient tracking of past issues and reducing issue/crisis response time on cloud servers.
 - Spearheaded the development of the ATB dashboard as a Redux-powered ReactJS + Django application.
 - Benefited over 100 infrastructure engineers with improved incident response time, streamlined rollout processes, and better operational efficiency.
- **KeyHub (Community's Email UI for Encrypted Password Exchange)**
 - Led the migration of eBay's KeyHub UI from Vue to React to align with eBay's tech stack.
 - Upgraded KeyHub's encryption library to conform with the latest OpenPGP standard, fortifying security for password exchange across eBay's infrastructure team.
 - Integrated KeyHub into eBay's cloud console UI using JS-Plugin, promoting smoother user experiences.

RESEARCH & PROJECTS

Few-shot Segmentation with Adaptive Data Augmentation and Cross Attention

NYU Shanghai

*Research Assistant mentored by [Professor Li Guo](#). Paper 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.