**OBJECTIVE**

Dedicated and results-driven software developer with hands-on experience and a strong educational background in computer science, actively seeking opportunities to contribute my skills to a dynamic team.

**EDUCATION**

**New York University**, Tandon School of Engineering 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*, *Intro to Java*.

**SKILLS**

* Lingual: working proficiency in English, familiar with common technical terms in programming.
* Programming: Intermediate level in JavaScript, advanced beginner in Python, and beginner in Java (skill level based on [Developer Rubric](https://github.com/Semalab/developer-skills-matrix/blob/main/rubric/rubric.md) by Semalab).
* Development: Familiar with Git VCS, Bash, ReactJS, VueJS, Django, and markdown.

**PROFESSIONAL EXPERIENCE**

**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 team performance.
  + Spearheaded the development of the ATB dashboard as a Redux-powered ReactJS application.
  + Benefited over 100 infrastructure engineers by significantly reducing incident response time, streamlining rollout processes, and improving 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 the company’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 cohesive user experiences.
* **L7 Rule Configuration UI**
  + Orchestrated an intuitive UI for automating L7 rule configuration for eBay’s cloud platform, reducing configuration time by more than 70%.
  + Engineered real-time form validation via API calls and a seamless form auto-filling mechanism.

**Kaizntree Co.**, *Co-founder* and *Full-stack Engineer* Sep 2021 – Sep 2022 & Sep 2023 - Present

*Co-founded a powerful one-stop management platform for small businesses and secured prestigious funding at NYU Summer Launchpad.*

* **Kaizntree Small Business Management Platform**
  + Built a comprehensive management platform powered by VueJS, Django, and PostgreSQL for 40+ small businesses, seamlessly integrating with major sales channels like Shopify and Square.
  + Leveraged Django’s lightning-fast backend wizardry for agile development and CI/CD.
* **NYU Summer Launchpad**
  + Stood out in the prestigious 2023 NYU Summer Launchpad program, a testament to our team’s dedication and strong technical foundation.
  + Secured a $10,000 non-dilutive funding and $15,000 in AWS credits.

**RESEARCH EXPERIENCE**

**Few-shot Segmentation with Adaptive Data Augmentation and Cross Attention** Mar 2022 to May 2023

*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****.*

* Proposed instance-aware data augmentation and a 4-D consensus-based cross attention module to diversify support images and enhance generalization performance.
* Utilized PyTorch, OpenCV, and bash script to build a scalable codebase for few-shot learning on Linux high-performance computing clusters.