XIAOCHEN LU

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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 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. 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.