

# XIAOCHEN (NIGEL) LU

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## EDUCATION

### New York University

New York, NY

#### Master of Science in Computer Science

May 2025

- Cumulative GPA: 3.88/4.0; Coursework: *Intro to Java* (Spring Boot), *Software Engineering* (scrum development), *Algorithms*, *Computer Networking*, *Network Security*, *Penetration Testing and Analysis*

### New York University

New York, NY and Shanghai, China

#### Bachelor of Science, Data Science, minor in Computer Science

May 2023

- Cumulative GPA: 3.91/ 4.0; Magna Cum Laude; NYU Honors Scholar; Dean's List for all Years
- Coursework: *Applied Internet Technologies*, *Computer Architecture*, *Data Structures*, *Databases*, *Machine Learning*, *NLP*

## SKILLS

- Technical Skills: Python (PyTorch, **Django**, OpenCV, Matplotlib), JavaScript (**TypeScript**, **React**, Vue, ExpressJS), Java (Spring Boot), CI/CD (Travis), SQL (MySQL, **PostgreSQL**), **Git**, AWS EC2/EB, Agile Dev (**Scrum**), **Docker**, Kubernetes

## PROFESSIONAL EXPERIENCE

### eBay Inc.

Shanghai, China

Software Engineering Intern, Cloud Infrastructure Team

Sept. 2022 – Aug. 2023

- Average-Time-to-Business (ATB) Dashboard**
  - Proposed and implemented a **Redux+React+Django** Average-Time-to-Business (ATB) dashboard to monitor cluster statuses and send checkout alerts, reducing crisis response time by 25% and boosted service availability from 99.14% to 99.8%
- KeyHub (Community's Encrypted Email UI for Password Exchange)**
  - Led the refactorization of KeyHub to conform with the latest **OpenPGP** standard and patched 60+ security vulnerabilities
  - Integrated KeyHub with eBay's Cloud Console using **JS-plugin** and **Redux**, boosting productivity of over 100 infra engineers
- L7 Rule Config Automation UI**
  - Orchestrated an intuitive UI with auto-filling for over 85% of the fields to streamline **L7 rule** configuring process for eBay's **Kubernetes (K8s)** clusters, increasing efficiency by more than 70% and minimized potential human errors in the loop

### Kaizntree Co.

New York, NY and Remote

Co-founder and CTO

Sept. 2021 – Feb. 2024

- Kaizntree Small Business Management Platform**
  - Built a one-stop management solution for small businesses using **Vue.js**, **Django Rest Framework**, **PostgreSQL**, and **Heroku CI/CD**, empowering 100+ happy customers by reducing time spent on management tasks from 15 to just 2 hours per week
  - 2-way integrated with 4 major sales channels using **OAuth2**, including Shopify, Square, Etsy, and Xerox, and automated stock sync across platforms, putting an end to the cumbersome manual updates and stock inconsistency on different channels
  - Led Kaizntree's development team and adopted **Scrum**, **Travis CI/CD** with Heroku to minimize friction, allowing Kaizntree to address customer feedbacks under 48 hours and continuously rolling out new features weekly
- Champion of NYU Summer Launchpad & NYUxYale Startup Competition**
  - Won the 2023 NYU Summer Launchpad and 2023 NYUxYale Startup Competition, with a reward of \$10,000 non-dilutive funding
  - Got invited to apply for Y Combinator and Techstars NYC startup accelerators, receiving mentorship from entrepreneur coaches
  - Earned investment from 3 individual investors and received a total of \$50,000 investment with Kaizntree valued at 4 million

### Expsoft Ltd.

Wuxi, China

Software Engineering Intern

May 2021 – Sept. 2021

- Leveraged the power of **Springboot** and **Maven** to build resilient and user-friendly auditing platforms for governments
- Secured a project from Soochow government worth \$250,000 to supply customized audit platform

## ON-CAMPUS EXPERIENCE

### Chinese Admissions Ambassador

Oct. 2019 – 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 admission process by performing data analysis on applications and provide quantitative insights

### Resident Assistant

Aug. 2020 – May 2021

- Oversaw a residence hall with 688 residents and developed a safe and inclusive community for 49 students
- Connect and collaborate with different departments/other RAs to hold meaningful on-campus events for residents
- Shouldered responsibilities like bulletin board, resolving residence hall issues, assessing and escalating crisis

## VOLUNTEER EXPERIENCE

### Voluntary English Teacher, Stepping Stones Shanghai

Oct. 2019 – Feb 2020

- Teach English in a class of 52 elementary-level children of migrant workers to promote education equality.