

# XIAOCHEN (NIGEL) LU

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## EDUCATION

### New York University

New York, NY

#### Master of Science in Computer Science

May 2025

- Coursework: *Intro to Java* (Spring Boot), *Software Engineering* (scrum development), *Algorithms*

### 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

## SKILLS

- Technical Skills: **Python** (PyTorch, Django, OpenCV, Matplotlib), **JavaScript** (TypeScript, React, Vue, ExpressJS), **Java** (Spring Boot, multi-threading), **Objective C**, **SQL** (MySQL, PostgreSQL), **R** (Statistics), **Bash Script**, **strong familiarity with main-stream OS** like Windows, MacOS, and Ubuntu
- Office & G-Suite: advanced user in Office suite and Google suite (e.g., Google Sheets, Docs, PowerPoint, etc.)

## ON-CAMPUS EXPERIENCE

### NYU Shanghai Chinese Admissions Office

Shanghai, China

#### Chinese Admissions Ambassador

Oct. 2019 – May 2023

- Hosted or co-hosted online and in-person panels for sharing information with students and their parents
- Held advertising campaigns (social media takeovers) to promote admission events, increasing average number of attendees by 35%
- Assisted in the admission process by performing data cleaning/analysis on applications to provide quantitative insights, reducing application's average review time to under 48 hours
- Served as point of contact to provide information, guide campus tours, and resolve application issues via the admissions hotline

### NYU Shanghai Office of Residential Life

Shanghai, China

#### Resident Assistant

Aug. 2020 – Jun 2021

- Oversaw a residence hall with 688 residents and developed a safe and inclusive community for 56 residents
- Reached out to and collaborated with different departments to hold residence hall events, earning Program of the Month twice
- Shouldered responsibilities like bulletin boards, community walks, and crisis responses (6 successful crisis resolutions)

## 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

### Kaizntree Co.

New York, NY and Remote

#### Co-founder and Full-stack Engineer

Sept. 2021 – Present

- Kaizntree Small Business Management Platform**
  - Built a one-stop management solution for small businesses using Vue, Django Rest Framework, PostgreSQL, and Heroku, empowering 100+ happy customers by reducing time spent on management tasks from 15 to just 2 hours per week
  - 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 pushing new features bi-weekly
- NYU Summer Launchpad & NYUxYale Startup Competition**
  - Won the 2023 NYU Summer Launchpad and 2023 NYUxYale Startup Competition, receiving a \$10,000 non-dilutive funding
  - Got invited to apply for Y Combinator and Techstars startup accelerators, receiving 1-on-1 mentorship with entrepreneur coaches
  - Earned investment from 3 individual investors and received a total of \$50,000 investment with Kaizntree valued at 4 million

## RESEARCH & PROJECTS

### Parkrowd NYC

New York, NY

#### Parking Made Easy - Crowd-sourced Parking Info Sharing Platform based off of NYC Open Data

Sept. 2023 – Dec. 2023

- Implemented Parkrowd as a Django App with a team of 5 through Scrum and ZenHub (repo: <https://github.com/NigelLu/Parkrowd>)

### Multimodal Online Student Engagement Dataset

Abu Dhabi, UAE

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

May 2021 – Mar. 2022

- Created a 17GB engagement detection dataset of 300+ participants in online learning settings and a CNN-RNN hybrid baseline

## ADDITIONAL INFO

- Interests: Cycling, Cooking, Landscape Photography, Hiking, Civil Aviation and Consumer Electronics Enthusiast