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** (Srping Boot, multi-threading), **Objective C**, **SQL** (MySQL, PostgreSQL), **R** (Statistics), **Bash Script**
- 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**
- **Averge-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
  - 2-way integrated with 4 major sales channels using OAuth, 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 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