**XIAOCHEN (NIGEL) LU**

New York, NY| Tel: +1 (845) 248-2938 **|** Email: [xl3139@nyu.edu](mailto:xl3139@nyu.edu) | Website: http://nigellu.com

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**, **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**

* **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
* 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