XIAOCHEN (NIGEL) LU

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EDUCATION

New York University, Tandon School of Engineering   New York, NY
M.S. in Computer Science, awarded a scholarship of $6,000   Sep 2023 – May 2025
New York University, NYU Shanghai   Shanghai, China
B.S. in Data Science, minor in Computer Science   Sep 2019 – May 2023
One-year study-away at New York University, New York Campus   Sep 2021 – May 2022
- Cumulative GPA: 3.9/4.0, Data Science Major GPA: 3.96/4.0
- Honors & awards: Magna cum Laude, NYU Honors Scholar, NYU Shanghai Excellence Award
- Courses: Information Technology, Decision Models & Analysis (Excel-based), Computer Architecture.

SKILLS

- **Computer**: Advanced user level in Ubuntu (Linux), Windows 10/11, macOS X till latest, consumer electronic enthusiast
- **Office & G-Suite**: Familiar with Office suite and Google suite (e.g., Google sheets, PowerPoint, etc.)
- **Others**: strong attention to details, and ability in planning and time management

ON-CAMPUS EXPERIENCE

Chinese Admissions Ambassador, **NYU Shanghai Chinese Admissions Office**   Oct 2019 to 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 the admission process by performing data cleaning/analysis on applications and provide quantitative insights.
- Provided information to and resolve application issues of potential students via the admissions hotline.

Resident Assistant, **NYU Shanghai Office of Residential Life**   Aug 2020 to Jun 2021
- Oversaw a residence hall with 688 residents and developed a safe and inclusive community for 49 students.
- Reached out to and collaborate with different departments/other RAs to hold meaningful on-campus events for residents.
- Shouldered responsibilities like bulletin board, resolving issues resident may encounter, assessing and escalating crisis.
- Collaborated with all other 11 RAs to host community-wide events, including event design, marketing, and execution

VOLUNTEER EXPERIENCE

English Teacher, **Steppingstones Shanghai**   Oct 2019 to Dec 2019
- Teach English for a class of 52 elementary-level children of migrant workers in Shanghai to promote education equality
- Collaborate with local teachers to host English-based "fun times" to help students enjoy learning and stimulate their interest

PROFESSIONAL EXPERIENCE

eBay Inc., *Software Engineering Intern*   Shanghai, China
Built, improved, and redesigned some of eBay's cloud platform UIs   Sep 2022 – Jul 2023
- **Average-Time-to-Business (ATB) Dashboard**
  o Proposed a web-based dashboard for live monitoring of cluster status and on-going CRs.
  o Led the implementation of the ATB dashboard as a modern single-page application by employing Redux, Antd UI library.
  o Updated the dashboard periodically to cater to different needs, serving a team of over 60 infrastructure engineers.
- **KeyHub (encrypted email UI for password exchanges)**
  o Migrated eBay's KeyHub from Vue to React to align with eBay's frontend tech stack.
  o Upgraded KeyHub's encryption library to the latest OpenPGP for enhanced security.
  o Refactored over 95% of the code for reduced API calls, faster rendering speed, and ease of use (tooltips and feedback).
  o Integrated the new KeyHub to eBay's cloud console UI as a plugin using JS-Plugin.

Kaizntree Ltd., Full-stack Engineer   New York, NY & Remote
Established a startup building a one-stop management platform for small businesses (website here)   Sep 2021 – Sep 2022
- **Kaizntree UI & Backend**
  o Carefully designed and delivered a one-stop platform covering needs from inventory transaction processing, product building and sales to item tracking via QR codes, helping over 40 small businesses to manage their workflow.
  o Leveraged Django's versatility to build backend services that support rollbacks and agile responses to allow safer version iterations and cater to evolving user demands.
- **NYU Summer Launchpad**
  o Got selected to the 2023 NYU summer launchpad under our team's effort and strong technical foundation.
  o Received a $10,000 non-dilutive funding and $10,000 AWS credits for running our online platforms.

RESEARCH & PROJECTS

Few-shot Segmentation with Adaptive Data Augmentation and Cross Attention   NYU Shanghai
*Research Assistant mentored by Professor Li Guo. Co-authored a paper and submitted to **CVPR 2023***   Mar 2022 to May 2023
- Proposed an instance-aware data augmentation strategy to improve support image diversity and reduce distribution inconsistency between query and support images in low-data regimes.
- Incorporated a 4-D consensus cross attention module to align query and support features for improved generalization ability.

Multimodal Online Student Engagement Dataset   SMART-LAB NYU Abu Dhabi
Research Assistant mentored by Professor Hanan Salam   May 2021 to Mar 2022
- Created an engagement detection dataset in online learning settings with post-class survey results as auxiliary label.
- Established a CNN-RNN hybrid model that processes spatial and temporal signals as the baseline for the dataset.
- Adopted statistic tools like significance tests to validate the correlation between personality and engagement levels.