Jiamin (Wendy) Chen

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EDUCATION

Northeastern University   **San Jose, CA, USA**
Master of Science in Computer Software Engineering   *GPA: 4.0/4.0 (Top 1%)*   *Jan.2023-Expected Dec.2024*
The University of Queensland   **Brisbane, Australia**
Master's degree   *GPA: 6.0/7.0 (Top 1%)*   *Jun.2018-Dec.2020*
Beijing Normal University, Zhuhai   **Zhuhai, China**
Bachelor's degree   *GPA:3.9/4.0 (Top 1%)*   *Sep.2013-Jul.2017*

Related Courses: Application Engineering and Development, Data Structures, Advanced Algorithm, Web Design and User Experience Engineering, Advanced Database, Machine Learning, Deep Learning Specialization etc.

SKILLS

- **Programming Languages:** Java, Python, JavaScript, C, HTML/CSS
- **Database**: MySQL, MongoDB, PrestoSQL, SparkSQL, Memcached, Radis
- **Tools:** Solr, Django, Numpy, Matplotlib

WORK EXPERIENCE

Alibaba Group   **Hangzhou, China**
Software Engineer (Intern)   *May.2023- Sep.2023*
- Developed the image quality assessment localization functionality with **Python** to schedule the images for human evaluation in JP/KR and calculated the image quality scores based on target location
- Integrated ML-based signals such as OCR-detected information to the image quality evaluation system, saving 11% human rater cost and increased precision by 2.74% and recall by 3.25%
- Implemented a monitoring system to track the evaluation coverage and latency using **SQL** and **Python**

Xiaomi Inc.   **Beijing, China**
Software Engineer (Full Time)   *Dec.2021- Dec.2022*
- Built personalized video filtering strategies using **Java** and **Memcached**, eliminating duplicate videos from the recommendation page, increasing DAU video views by 2.8%
- Designed and implemented a cold-start system for newly uploaded videos using **Java** and **Solr**, integrating 50k+ new videos into organic recommendation feeds everyday
- Developed **SQL** queries to monitor the cold-start video data and generate daily reports using **Python**

Xiaomi Inc.   **Beijing, China**
Technical Product Manager (Full Time)   *Apr.2021- Dec.2021*
- Designed accessibility features for users with disabilities, improving accessibility for 4.87% DAU
- Designed new VIP features for Duokan e-book app, increasing VIP revenue by 61.42%
- Established children's version of e-book platform, acquiring 160,000+ DAU

Publicis Groupe, Sapient   **Shanghai, China**
Technical Product Manager (Intern)   *Dec.2019- Mar.2020*
- Built a CMS for SAIC Group that optimized workflow and managed over millions of marketing digital materials
- Improved UX & UI of HUAWEI Intelligent Computing website using **HTML5**, increasing consulting rate by 11%

RELATED PROJECTS

NEU College of Engineering Hacker Club   **San Jose, CA, USA**
Software Engineer & Product Manager   *May. 2023 - Present*
- Craft PRD and design prototypes, including home page, discussion boards, and resource page
- Design **SQL** schema to store user information and content data
- Utilize **Django** to develop the backend infrastructure, covering user authentication with sign-in, account creation, and user profile editing functionalities

2021 Xiaomi Hackathon Competition (1st Prize)   **Beijing, China**
Mobile App Developer & Product Manager   *Oct.2021- Jan.2022*
- Designed and developed "Elecon" mobile app that enables people to control elevators on their mobile phones
- Developed the front end of the mobile app using **HTML5** and **JavaScript**

HONORS & AWARDS

- **Work:** *Xiaomi The Best Novice Award; Excellent Staff of Xiaomi Internet Business Department*
- **Academic:** *NEU Professional Development Award; UQ Dean's Commendations for Academic Excellence; BNUZ Top Grade Scholarship; BNUZ Second Class Scholarship*