

Xin Bai

Seattle, WA

+1(206)-501-5709 | bai.xin1@northeastern.edu | www.linkedin.com/in/xin-bai-070621296

EDUCATION

Northeastern University	Seattle, WA, US
Master of Computer Science, GPA: 3.54	Sept. 2023- expected May. 2025
North China University of Technology	Beijing, China
Bachelor of Engineering in Digital Media Technology, GPA: 3.71	Sept. 2019-Jun. 2023

EXPERIENCES

Ipsos (China) Consulting Co., LTD, Shanghai Branch	Shanghai, China
<i>Qualitative and Quantitative Researcher</i>	Jul. 2022-Sept. 2022
<ul style="list-style-type: none">- Responsible for data collection and analysis- Participated in the research project on biological agents in women with rheumatoid arthritis- Assisted in data collection, quantitative and qualitative analysis, and presentation of the final report- Detected and rectified outliers during data cleansing, preventing inadvertent deletion of valuable medical data and improving overall efficiency and accuracy.	

PROJECTS

ProShop E-Commerce Platform	Jan. 2024 - Present
------------------------------------	---------------------

- Developed ProShop, an innovative MERN-based e-commerce platform, integrating **MongoDB**, **Express.js**, **React.js**, and **Node.js**.
- Orchestrated key functionalities including user authentication, product management, and seamless checkout processes.
- Ensured a responsive design with **Bootstrap**, facilitating user-friendly interactions such as order tracking and product rating.

Multiplayer Online Role-Playing Game Database Management System	Sept. 2023-Dec. 2023
--	----------------------

- Conceptualized and developed a relational database in **MySQL** tailored for a multiplayer online role-playing game, focusing on efficient management of player and character data.
- Engineered a user-friendly web interface using Java Server Pages (**JSP**), enhancing the accessibility and interaction with the database.
- Empowering users to create multiple accounts, select various game characters, and efficiently manage costume changes and equipment upgrades.

Facial Expression Recognition System Using Keras and PyQt5	Feb. 2023-May. 2023
---	---------------------

- Developed a robust Facial Expression Recognition System utilizing a Mini-Xception **deep learning** model in Keras.
- Implemented efficient image preprocessing and real-time facial detection with Haar Cascade Classifier in **OpenCV**.
- Engineered an intuitive PyQt5 interface, enabling model selection, real-time facial expression recognition through webcam, and emotion detection in uploaded images. The system excels in accurate and prompt detection and recognition of facial expressions.

Epidemic Data Analysis and Web Development	Jul. 2022-Aug. 2022
---	---------------------

- Extracted and processed COVID-19 data using **Python** web scraping from Tencent News API, and managed data with **Pandas** in Jupyter Notebook.
- Created dynamic data visualizations with **Pyecharts**, highlighting key pandemic metrics across regions.
- Developed an interactive web interface using **CSS** and **JavaScript**, showcasing analytical results for enhanced user engagement.

SKILLS

Programming: Java, Python, C#, Swift, JavaScript, SQL

Toolkits: React.js, OpenCV, OpenGL, Spring Boot, MySQL, Node.js, Redis, Unity3D, Adobe XD, Photoshop