

Jingyi Wu

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EDUCATION

Vrije Universiteit Brussel <i>M.S. Applied Computer Science</i>	Sep. 2023 – Present
Hong Kong Baptist University <i>M.S. AI and Digital Media</i>	Sep. 2021 – Nov. 2022
Northeast Normal University (B.A. Double degree in Finance and Media)	Sep. 2016 – June. 2020

EXPERIENCE

Moody's Analytics, Ltd Data Engineer - Contract	May. 2024 – Present
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- Built **end-to-end ETL pipelines** using **Python (Selenium, BeautifulSoup)** to automate the extraction of financial compliance data from **regulatory websites** across multiple countries, targeting financial institutions.
- **Developed reusable functions** for improved code maintainability and adaptability to future requirements. Integrated the **Google Translate API** to automatically translate non-English content into English, improving translation accuracy to **95%**.
- Processed diverse data formats, including **PDF, XML, CSV, and JSON**, and leveraged **SQL scripts** and **Pandas** to automate structured Excel reports generation. Documented code logic and troubleshooting guidelines.

Beijing Automotive Group Co., Ltd Data Engineer	Dec. 2022 – Aug. 2023
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- Responsible for collecting, managing, and visualizing NVH (Noise, Vibration, Harshness) data for the User Experience Department of new energy vehicles.
- Developed a **Python-based system** to collect competitor vehicle configuration data from 18 brands and 100+ models, using Selenium and BeautifulSoup for data extraction from online car-forum.
- Processed dataset (100k+ rows) by **PySpark**, performing multi-dimensional analysis of Noise, Vibration, Harshness data. Implemented a pipeline to automatically insert processed data into **MySQL** using **JDBC** connectivity.
- Built **knowledge graphs** by **NetworkX** to model relationships between vehicle features and user pain points (e.g., "battery – insufficient endurance"), and produce analysis report to support Market department.

Nestlé Data Specialist - Intern	May. 2022 – Aug. 2022
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- Visualized compliance data for Sales of Infant Nutrition products across 5 sub-regions in the Chinese market by **Power BI dataflows and DAX** to automate reporting processes.
- Maintained dataset linked to Power BI, ensuring accurate real-time dashboard updates, data synchronization.

CERTIFICATIONS & SKILLS

Certificates: AWS Certified Cloud Practitioner

Languages: English, Chinese

Programming Languages: Python (Proficient), MySQL, Java, Git

Frameworks: Pandas, NumPy, Selenium, BeautifulSoup, PySpark, PDFplumber

Tools: PowerBI, Tableau, Microsoft Office, AWS