

Mengyuan Li (Cynthia)

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EXPERIENCE

- Volvo Cars** Gothenburg, Sweden
Data Platforms - Global Graduate Program Aug 2023 - Present
 - Data Contract Development:** Formulated and established data contracts and toolings to standardize data access and usage across teams. These contracts played a pivotal role in ensuring data consistency, quality, and compliance, further enhancing the efficiency and reliability of the platform.
- Atkins (SNC-Lavalin)** Atlanta, GA
Analyst Engineer, LEED GA Jan 2019 - Jun 2021, Aug 2022 - July 2023
 - Structural Data Engineering & Visualization:** Led data modeling projects, boosting model accuracy by 23%. Utilized advanced finite element methods for structural analysis of 100+ bridges and designed interactive dashboards using Python's Bokeh and D3 for real-time insights.
 - Efficient Load Rate Tool Development:** Engineered software tools, optimizing the rating process for 500+ bridges in Georgia with a 40% efficiency increase. Enhanced user experience, leveraging data insights to reduce technical assistance.
- Georgia Institute of Technology** Atlanta, GA
Graduate Student Assistant Jan 2023 - May 2023
 - Educational Content Creation:** Designed and executed Python workshops, creating a series of educational YouTube videos and interactive programming tutorials, resulting in a 50% increase in student engagement.
 - Research & Lab Management:** Led Python-related workshops for over 150 students, improving their data visualization skills. Assisted 30+ research projects by providing consultation on visualization tools and techniques. Managed lab resources and designed marketing materials, increasing lab visibility and user engagement by 25%.
- SAP** Shanghai, China
Data Integration and Application Consultant Feb 2022 - Aug 2022
 - Message Validation & Compliance:** Ensured EDIFACT message compliance with the latest releases, providing essential validation services through Fiori apps.
 - Web App Development:** Managed the expansion of Market Message Transfer for MaCo, resulting in a 20% increase in user adoption. Implemented a streamlined testing process, reducing software bugs by 15%. Facilitated effective communication among engineers, product management, design, and QA teams, improving overall team productivity by 10%.
- Airwallex, Global Transfer Payment Network** Shanghai, China
Payment Product Manager Nov 2021 - Feb 2022
 - Batch Payout Optimization:** Optimized the Batch Maker-Checker user flow through data analysis and user research, achieving a 20% boost in efficiency and a 15% rise in customer satisfaction.
 - SWIFT Network Expansion:** Led the expansion of Airwallex's SWIFT payment network to 17 additional countries, enhancing market presence by 25%. Improved feature deployment processes and stakeholder communication, resulting in a 10% process efficiency gain.
- Alibaba Group, Department of New Retail** Hangzhou, China
Data Integration Engineer July 2021 - Nov 2021
 - Data-Driven Complaints Monitoring:** Developed and deployed a RocketMQ-based system to monitor and analyze customer complaints in real-time. This system processed large volumes of data daily, identifying patterns and trends, which resulted in a 74% drop in false issues.
 - API Development and Data Analytics Integration:** Developed and maintained APIs for seamless data access, ensuring data integrity and security. These APIs bolstered business operations and data-driven decisions. Integrated advanced analytics using Apache Spark and Tableau, working alongside the data science team to incorporate predictive models for real-time insights.

EDUCATION

- Georgia Institute of Technology** Atlanta, GA
Master of Science in Computer Science, GPA: 3.77/4.0 Feb. 2021 - Aug. 2023
- Georgia Institute of Technology** Atlanta, GA
Master of Science in Structural Engineering, GPA: 3.8/4.0 Aug. 2017 - Dec. 2018
- Hong Kong University of Science and Technology** Hong Kong
B.Eng. in Structural Engineering & Minor in Computer Science, High Honors Sept. 2013 - June 2017

CERTIFICATION & SKILLS

- Certifications:** SAP Certified Development Associate - SAP Extension Suite, CITI Program Certifications in Human Research and Responsible Conduct of Research
- Programming:** Python, R, SQL, JavaScript, Java, Scala, Kotlin, Swift, MATLAB, LaTeX, D3, Pandas, Numpy, Scipy, Tableau
- Development & Collaboration Tools:** Git, Jira, Confluence, Miro, Figma
- Languages Spoken:** Fluent in English, Mandarin, and Cantonese. Beginner Level Japanese.