Mengyuan Li (Cynthia)

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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*

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
  Engineer II, 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
  Software Engineer — *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
  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
  Software 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.

CERTIFICATION & SKILLS

- **Certifications**: MicroSoft Develop Generative AI solutions with Azure OpenAI Service Certificate, SAP Certified Development Associate - SAP Extension Suite, CITI Program Certifications in Human Research and Responsible Conduct of Research
- **Programming**: Python, JavaScript, Swift, React, R, SQL, Java, Scala, Kotlin, LangChain.js, OpenAI API, Imba, D3.js
- **Development & Collaboration Tools**: Git, Jira, Confluence, Miro, Figma
- **Languages Spoken**: Fluent in English, Mandarin, and Cantonese. Beginner Level Japanese.