# Yingping Ma

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## Education

**Stockholm University**                                                                       Stockholm, Sweden
*Master of Science in Computer and Systems Sciences (Specialization: Information Security)*    *Aug. 2023 – Jun. 2025*

**Nanjing University of Science and Technology**                                               Jiangsu, China
*Bachelor of Economics and Management, Major in Accounting, Minor in Software Engineering*    *Sep. 2018 – Jun. 2022*

## Experience

**Back-end Developer Intern**                                                                  Dec 2024 – Present
*A&E Labs OÜ*                                                                                  *Sweden*
- Built and maintained serverless backends with Firebase (Firestore, Auth)
- Developed APIs using Cloud Functions and JavaScript
- Integrated React.js components with backend services
- Refactored Firestore connections in frontend components, migrating to Cloud Functions to enhance security and scalability
- Deployed and optimized apps on Firebase Hosting

**Data Operations Intern**                                                                     Mar. 2022 – Apr. 2022
*Yuwell Global*                                                                                *Nanjing, Jiangsu, China*
- Analyzed customer data and performed variance analysis to identify key trends, providing actionable recommendations to improve marketing strategies
- Developed standardized reports and dashboards using Excel and Tableau
- Collaborated with the data science team on financial forecasting and modeling
- Presented findings to management and stakeholders through clear presentations and data visualizations
- Identified issues and introduced solutions to improve data accuracy

**Financial Analyst Intern**                                                                   Jun. 2019 – Jul. 2019
*Prudential Hong Kong*                                                                         *HONG KONG SAR, China*
- Gained practical knowledge of Hong Kong's financial systems, including governance, compliance, financial markets, and operations
- Collected, validated, and transformed data from multiple sources, conducting quantitative analysis to generate reports
- Conducted market research, data mining, business intelligence, and valuation analysis

## Projects

**Budget Tracker** | *Next.js, TypeScript, Prisma, Tailwind CSS, Clerk, PostgreSQL* | Live Demo        Feb. 2025
- Built a budget tracking app with Next.js 15, providing an intuitive and responsive user experience.
- Implemented transaction management with category-based spending analysis to help users track their finances.
- Integrated interactive Recharts visualizations for clearer insights into spending trends over time.
- Secured authentication using Clerk and deployed the app on Vercel with a PostgreSQL database.

**Bestie Hub** | *Python, React, SQLite, SQLAlchemy, Flask, Chakra UI* | Live Demo                     Mar. 2025
- Developed a full-stack web application for managing friends, featuring CRUD operations with Flask and SQLAlchemy.
- Designed a responsive UI using Chakra UI, supporting both light and dark modes for enhanced user experience.
- Implemented best development practices, including virtual environments (venv) for dependency isolation.
- Deployed the application on Render, ensuring free and reliable cloud hosting.

## Technical Skills

**Front-end**: HTML, CSS, SASS, JavaScript, TypeScript, React, Next.js, Redux, Tailwind CSS, Shadcn UI, Framer Motion
**Back-end**: Node.js, Express, Flask, FastAPI, MongoDB, Prisma, Python, Jest, Postman, Clerk
**Cloud & DevOps**: AWS, Vercel, Docker
**Tools & Misc**: Git, GitHub, Webpack, Figma