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   Nanjing, 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

Facial Recognition System | *Python, PCA, SVM, KNN, Harvard Face Dataset*   Sep. 2023
- Preprocessed face images by converting to grayscale and normalizing size
- Applied PCA for feature extraction and dimensionality reduction
- Trained classifiers using SVM and KNN for face recognition
- Optimized model performance through cross-validation and achieved high accuracy

Budget Tracker | *Next.js, TypeScript, Prisma, Tailwind CSS, Clerk, PostgreSQL* | Website Link   Feb. 2025
- Built a full-stack budget tracking app with Next.js 15, featuring a sleek and responsive UI.
- Implemented transaction management and category-based spending insights for financial analysis.
- Integrated interactive charts with Recharts to visualize spending trends over time.
- Secured authentication with Clerk and deployed the application on Vercel with PostgreSQL.

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