Yuxin Shi

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Undergraduate and graduate degrees in computer science and multiple internships over one year. Key skills include MERN stack development, microservices architecture, and data analysis. Proven ability to enhance user satisfaction and decision-making. Achieved significant improvements in performance metrics in just 3 months.

EDUCATION

Santa Clara University *Santa Clara, CA*
Master of Science in Computer Science Engineering | GPA: 3.7 09/2023 – 06/2025

The University of Nottingham *Ningbo, China*
Bachelor of Science in Computer Science | **Hybribio Scholarship** 09/2018 – 07/2022

TECHNICAL SKILLS

Languages: C/C++, HTML/CSS, HiveSQL, Java, JavaScript, Python, Ruby, SQL, SparkSQL
Frameworks: Flask, Hadoop, JavaFX, JUnit, Node.js, React, Ruby on Rails, Spark
Developer Tools: Eclipse, Git, IntelliJ, PyCharm, VS Code, Visual Studio
Libraries: Matplotlib, NumPy, Pandas, PyTorch, TensorFlow

EXPERIENCE

Software Engineer Intern | Datatrixs *San Francisco, CA* | 04/2024 – 07/2024

- Developed and maintained a responsive, AI-driven accounting platform using the MERN stack, deployed via Netlify.
- Implemented a microservices architecture with Node.js and Express, resulting in a 10% improvement in API response time.
- Utilized Agile and Scrum methodologies to enhance development and integration processes.
- Enhanced site performance by resolving 15 user-reported bugs, leading to a 20% increase in user satisfaction.

Software Engineer Intern | Merit Interactive Co., Ltd. *Hangzhou, China* | 10/2022 – 06/2023

- Standardized large-scale population data using OLAP and ETL tools, improving reporting accuracy and accelerating decision-making by 10%.
- Achieved daily monitoring of user behavior statistics with SparkSQL, enhancing data analysis efficiency by 5%.
- Increased user engagement by analyzing behavior data and visualizing insights, enhancing retention strategies.

PROJECTS

Book Summarizer Tool | *React, Node.js, AWS, Google Natural Language AI* 02/2024 – 03/2024

- Developed a book summarization tool using React and Node.js, integrating Open Library API and Google Natural Language AI for automated search and summary generation.
- Implemented intuitive UI for easy navigation and detailed insights, leveraging GitHub for version control.
- Deployed the application on AWS Cloud, ensuring scalability and reliability.

Automated File Processing System | *AWS Cloud, Lambda, EC2, API Gateway, DynamoDB* 11/2021 – 01/2022

- Developed a React web UI for secure file uploads to AWS S3 using the AWS SDK and API Gateway.
- Automated file processing with AWS CDK, Lambda, DynamoDB, and EC2 in a microservices architecture.
- Ensured scalability, security, and reliability through automated VM lifecycle management and error handling.

Time Series Classification of Belgian Freight Data | *PySpark, SparkSQL,Tensorflow* 03/2022 – 05/2022

- Used SparkSQL for cleaning, preprocessing, and feature engineering of the Belgian freight dataset on Kaggle.
- Implemented an LSTM model and trained the model on preprocessed data.
- Visualized the prediction results and performed analysis to improve the final prediction results by 2%.
- Wrote a 10-page project report using LaTeX with team members.