ANGELA(CHING-YUEH) HUANG

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EDUCATION

Santa Clara University   Sep 2022 - Jun 2024
Master of Science Computer Science and Engineering   *Santa Clara, CA*
Coursework: Advanced Web Programming (Python/SQLite), Distributed Systems (Go), Design & Analysis: Algorithms (Java), Project Management, Operating System (C), Computer Network (C), Big Data (Python/Spark/Kafka)

Soochow University   Sep 2016 - Jul 2020
Bachelor of Science Computer Science and Information Management; Dean's list 2019   *Taipei, Taiwan*
Coursework: Object-Oriented Design (Java), Data Structure (Java), Database Management (MSSQL), Statistics I & II (R)

SKILLS

- **Programming Languages:** Java, Python, Go, C#, C, JavaScript, Ruby on Rails
- **Web Development:** Spring, Flask, .NET, React.js, Node.js, HTML/CSS, jQuery, Bootstrap, API, Figma
- **Data Analytics and Engineering:** SQL, Informatica, Apache Kafka, Spark, Tableau, R, Hadoop, Databricks
- **Clouds and DevOps:** AWS, Docker, Kubernetes, Heroku, Jenkins, Git, Jira, PowerShell, Postman

WORK EXPERIENCE

Synnex Technology   Aug 2020 - Aug 2022
Software Engineer
- Led full-stack development using Spring Boot, Java, JavaScript, and Oracle DBMS to optimize logistic automation processes, yielding a 25% increase in technical systems efficiency and handling 500,000 vendor orders monthly
- Built APIs for Electronic Data Interchange (EDI) to automate the transmission of 10 million transactional records; generated reports for web and mobile applications, utilizing AJAX and JSON for asynchronous communication
- Conducted ETL pipeline tasks on financial datasets, enabling financial teams to extract predictive insights for data-driven decision-making with SQL and Informatica, resulting in 30% improvement in cost allocation accuracy
- Enhanced system functionality and user satisfaction by achieving 98% code coverage through unit testing with JUnit

Shin Kong Life Insurance Co., Ltd   Feb 2019 - Dec 2019
Software Engineer Intern
- Developed knowledge-sharing platform to facilitate technical guidance within the IT department using Spring MVC, Hibernate, Java, and PL/SQL, accelerating development processes by 20% and fostering enhanced team collaboration
- Innovated dynamic features, including tags, search bars, and memos, resulting in a 30% reduction in user search times, leveraging JavaScript, HTML, and CSS and ensuring efficient version control with Git and Maven
- Initiated code reviews and closely collaborated with the user team to implement impactful system enhancements
- Reduced the web development time by 10 days by adopting Agile practices for system design and troubleshooting

SELECTIVE PROJECTS

E-Commerce Pub-Sub Web Application
GO/ Docker/ Kubernetes / RESTful API / JSON server
- Created an event-driven distributed system with Go, using Docker and Kubernetes for scalable deployment
- Incorporated Go syntax within the pub-sub system to ensure robust consistency, concurrency, and mutual exclusion

Full-Stack Safety for Survivors System (SCU Humanitarian Hackathon 2023)
Python / Flask / PostgreSQL / RESTfulAPI / React.js / Node.js / AWS EC2
- Developed a catastrophe survivor rescue system using Python Flask, React.js, and PostgreSQL for data storage
- Designed RESTful APIs enabling users to sign up for assistance and contribute to search efforts via integrated maps
- Implemented secure identity verification protocols using Sessions and deployed web application on AWS EC2

Full-Stack Intelligent Library System
Visual C# / .NET / MySQL / JavaScript
- Created websites providing users access to library resources and real-time publication information
- Developed functions enabling publishers to update publications, and allowed readers to order books, share reviews