Hung Chu

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EXPERIENCE

Technical Specialist – Mutual of Omaha • Omaha, NE   *June 2020 - Current*
• Implement feature of displaying, preserving browser session for new product indicator and store the user activity data to DynamoDB with API calls to enhance user's experience and scalability of user activity data
• Develop configurable notification feature to enhance efficiency and scalability of customer-facing web application
• Streamline release and deployment management process by implementing separation synonym between production and development database (ReactJS, Spring, SQL, YAML, DynamoDB, AWS)

Application Developer Intern – Mutual of Omaha • Omaha, NE   *May 2019 - Aug. 2019*
• Deployed new password encryption feature into backend infrastructure to improve users' safety and security
• Implemented a new cloud-based configuration storage mechanism for seamless synchronization across systems
• Optimized unit tests, integration, and functional tests (Java, Groovy, Spock, Spring, YAML)

Software Engineer Intern – Nelnet • Lincoln. NE   *Aug. 2019 - Apr. 2020*
• Implemented error reporting features for API monitoring application
• Developed event recording service which stores all system event information in a backend, distributed database (Ruby on Rails, JavaScript, JavaScript, TypeScript, SQL, HTML5, CSS3)

Research Assistant – University of Nebraska, Lincoln • Lincoln, NE   *May 2018 – Apr. 2019*
• Built a web-based application that utilizes machine learning to predict students' final grades (JavaScript, NodeJS, Python, AngularJS, ExpressJS, MongoDB, HTML5, CSS3)

Teaching Assistant – University of Nebraska, Lincoln • Lincoln, NE   *Jan. 2018 - Apr. 2018*
• Assisted students during office hours with data structures and algorithms questions (C, C++, Data Structures, Algorithms)

PROJECTS

Responsive Website • Lincoln. NE   *Aug. 2018 - Sep. 2018*
• Developed an interactive, intelligent and responsive mobile-first website (JavaScript, Bootstrap, HTML5, CSS3)

EDUCATION

University of Nebraska, Lincoln • Lincoln, NE • *May 2020*
Bachelor of Science in Computer Science
Relevant Coursework: Data Structure and Algorithm, Object-Oriented Programming, Operating System Principle, Software Engineering, Imperative Programming, Database System, Unix Programming, Computer Networking

SKILLS

Backend Languages: Java, Groovy, C++, C, Python
Frontend Languages: JavaScript, TypeScript, HTML5, CSS3
Technologies: Spring Boot, Amazon Web Services, Microsoft Azure, Docker Swarm
Frameworks: AngularJS, ReactJS, Redux, ExpressJS, NodeJS
Database: MySQL, PostgreSQL, MongoDB, DynamoDB

CERTIFICATION

Ultimate AWS Certified Solutions Architecture Associate, Docker Swarm