

# Hung Chu

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## EXPERIENCE

**Software Engineer III • Walmart • Bentonville, AR**

*Aug. 2020 - Current*

- Develop a data processing application which cuts computing cost by 50% and improves system performance by 66%
- Optimize software prototyping process by building structural templates for database connectivity and system configurations (Java, MySQL, Spring, Spark, Google Cloud Platform)

**Technical Specialist • Mutual of Omaha • Omaha, NE**

*June 2020 - July 2021*

- 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 (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 (Java, Groovy, Spock, Spring, YAML)

**Software Engineer Intern • Nelnet • Lincoln, NE**

*Aug. 2019 - Apr. 2020*

- Developed event recording service which stores all system event information in a backend, distributed database (Ruby on Rails, 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

## SKILLS

**Backend Languages:** Java, Groovy, C++, C, Python

**Frontend Languages:** JavaScript, TypeScript, HTML5, CSS3

**Technologies:** Spring Boot, Amazon Web Services, Microsoft Azure, Docker Swarm, Google Cloud Platform

**Frameworks:** AngularJS, ReactJS, Redux, ExpressJS, NodeJS

**Database:** MySQL, PostgreSQL, MongoDB, DynamoDB

## HOBBIES

Competitive Programming Contests (LeetCode), Algorithms, Singing, Reading, Swimming, Hiking, Listening to Music