

# Hung Chu

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## EXPERIENCE

### Software Engineer • Microsoft • Redmond, WA

July. 2022 - Current

- Spearheaded development of a highly configurable platform app, optimizing contract mapping by 60% and accelerating feature rollouts by 50%, driving efficiency and speed-to-market
- Innovated managed identity implementation for applications, bolstering security by 30% and slashing costs by 40% (DotLiquid, C#, .NET, Azure)

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

Aug. 2021 - July. 2022

- Engineered a data processing app, reducing computing costs by 50% and boosting system performance by 66%.
- Streamlined software prototyping with structured 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

- Introduced feature to display and preserve browser sessions while storing user activity data in DynamoDB using API calls, enhancing user experience and scalability for new product launch
- Built a customizable notification feature to improve efficiency and scalability of customer-facing web app. (ReactJS, Spring, SQL, YAML, DynamoDB, AWS)

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

Aug. 2019 - Apr. 2020

- Engineered an event recording service that captures and stores all system event information in a robust, distributed backend database (Ruby on Rails, JavaScript, TypeScript, SQL, HTML5, CSS3)

### Application Developer Intern • Mutual of Omaha • Omaha, NE

May 2019 - Aug. 2019

- Fortified backend infrastructure with robust password encryption, enhancing user safety and security.
- Engineered a cloud-based configuration storage mechanism for seamless synchronization across systems. (Java, Groovy, Spock, Spring, YAML)

## PROJECTS

### Grade Predict Application • Lincoln, NE

May 2018 – Apr. 2019

- Built a machine learning-powered web application for predicting students' final grades. (JavaScript, NodeJS, Python, AngularJS, ExpressJS, MongoDB, HTML5, CSS3)

### 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, C#

**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, .Net

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

## HOBBIES

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