

Hung Chu

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Education

BACHELOR OF SCIENCE | MAY 2020 | UNIVERSITY OF NEBRASKA - LINCOLN

- **Major:** Computer Science
- **Cumulative GPA:** 3.414/4.0
- **Related coursework:** Data Structure and Algorithm (C++), Object-Oriented Programming (Java), Operating System Principle (C and C++), Software Engineering (Android Studio), Imperative Programming (C), Database Systems (MySQL), Unix Programming, Design Studio (Real-world Project).

Work Experience

APPLICATION DEVELOPER INTERN | MUTUAL OF OMAHA | SUMMER 2019

- Deployed the discovery feature of jasypt which supports password encryption in spring boot application's properties files, using Groovy and YAML into the production.
- Implemented the new feature of Spring Cloud Configuration to store all the configuration properties on the cloud for spring boot applications with Groovy and YAML.
- Improved the unit, integration and functional tests for spring boot applications with Groovy and Spock framework.

SOFTWARE ENGINEER INTERN | NELNET | FALL 2019 – SPRING 2020

- Implemented the Payment Spring lizard application, which monitors API for Payment Spring gateway application stack using Ruby on Rails.

RESEARCH ASSISTANT | UNIVERSITY OF NEBRASKA - LINCOLN | SUMMER 2018 – SPRING 2019

- Built a machine learning web-based application which predicts about each student's final grade based on his or her assignments with the MEAN stack framework and Python.
- Designed an avatar based on student picture which can talk and interact in real-time with JavaScript.

SOFTWARE DEVELOPER | JEFFERY S. RAIKES DESIGN STUDIO | FALL 2018 – SPRING 2019

- Researched and developed a machine learning model predicting user health and providing supports to the underwriting process based on human-based Internet of Things data, using Python and Jupyter Notebook.

Technical Skills

- **Languages:** Java, Groovy, JavaScript, C++, C, Python, HTML5, CSS.
- **Technologies:** Spring Boot Application, MEAN stack application, AngularJS, ExpressJS, NodeJS, IntelliJ IDE, Visual Studio IDE, Amazon Web Services, Microsoft Azure, MySQL, MongoDB, Vim, Sublime Text.

Projects

RESPONSIVE PERSONAL WEBSITE | FALL 2018

- A responsive, mobile-first website with a talking and moving avatar, using Bootstrap, HTML5, and JavaScript
- Link: <http://www.hungphucchu.com.s3-website-us-west-1.amazonaws.com/>

A UNIX SHELL | SPRING 2018

- A shell interface that accepts user commands and executes each command, using C++.

AN ANDROID MUSIC APPLICATION | SUMMER 2017

- A music application for Android device, using Java, HTML and Android Studio.