Han Tran

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EDUCATION

University of Nebraska–Lincoln | Lincoln, Nebraska
Bachelor of Science in **Software Engineering** Expected: May 2024
GPA: 3.92

PROJECTS/EXPERIENCE

Kana Systems Software Development Intern (Summer 2023 – Present)

- Collaborating with a team to create cutting-edge software solutions, leveraging frameworks such as .NET and React to develop innovative applications.

Scoreboard OCR on Indoor Focus | Senior Design Project Sponsored by Hudl

- Evaluated two of Hudl's Optical Character Recognition (OCR) models
- Designed and created a prototype that uploads video and scoreboard data created by the OCR model to a database for later playback with a digital scoreboard

Experian Software Development Intern (Summer 2022)

- Tested Experian's web application using the React testing framework, Cypress
- Converted Experian's legacy files by running shell scripts and modifying them when necessary

Pitivi Project | Software Engineering VI Open-Source Project

- Practiced Agile while working on fixing an issue within Pitivi, a free and open-source video editor for Linux

Simple React Redux App | Software Engineering III Assignment

- Created a web app that allowed a user to see an avatar's stats and select an avatar
- Used basic npm commands
- Independently learned how to write basic HTML and JSX snippets, CSS, Redux slices using the Redux Toolkit (RTK), React components using the React Hooks API, and Jest unit tests

Health Department App | Software Engineering II Capstone Project

- Reconciled two mobile tracking apps and created a combined backend
- Added features to the tracking apps
- Created in-memory unit tests to validate implementation of the mobile apps
- Designed and implemented an app for importing data into OpenMRS

OpenMRS Adult Sepsis Client | Software Engineering I Capstone Project

- Installed code necessary to connect to the OpenMRS database through the REST API
- Used the Sepsis determination algorithm from Milestone I in a Sepsis determination app that uses data from the OpenMRS database
- Wrote code to prompt the user to enter data not available in the OpenMRS database
- Created and ran unit-level and system-level tests to validate implementation
- Demonstrated effective communication practices through user documentation, commit messages, and the project's issue tracker in Git

RELEVANT COURSEWORK

- Software Engineering I - IV
- Discrete Mathematics

- Computer Human Interaction
- Programming Language Concepts
- Computer Systems Engineering
- Data Modeling for Systems Development
- Design and Analysis of Algorithms
- Operation System Kernels
- Internet Systems and Programming
- Software Design and Architecture

SKILLS

- Java Programming Language · *Familiar*
- GitHub · *Familiar*
- Python Programming Language · *Familiar*
- HTML Programming Language · *Familiar*
- CSS Programming Language · *Familiar*
- JavaScript Programming Language · *Familiar*
- React · *Familiar*
- Microsoft Office · *Proficient*
- C Programming Language · *Familia*
- C# Programming Language · *Familiar*
- Typescript Programming Language · *Familiar*
- MySQL · *Familiar*

HONORS & ACTIVITIES

Honors Program — August 2020 to Present
Multicultural Engineering Program — August 2020 to Present