ZHIHAO JIN

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EDUCATION

TRUMAN STATE UNIVERSITY   2019 – PRESENT

Bachelor of Computer Science

· **Major**: Bachelor of Computer Science
· **GPA**: 3.90 / 4.0
· **Awards**: International President's Honorary Scholarship, President Lists, Vice President Lists.
· **Related coursework**: Computing Structures, Object-Oriented Prog &Design, Data Structures & Algorithms, Statistics, Database Systems, Internet Programming, Networks, and Computer Graphics.

RELEVANT EXPERIENCE

· **UBIX – China** | Front-end Web Developer Intern   2023 - FUTURE

Hired by UBIX – China and intern will start from January to July 2023, will mainly focus on company website development by utilizing industrial front-end developing frameworks. Participate in the code design, development, and implementation of the web front-end in the company's projects. Develop the latest web technologies using **React**, **HTML5**, **CSS3**, **JavaScript**, etc. Work with back-end developers to discuss technical implementation solutions and develop service interfaces, etc.

· **Truman State University** | CIS - WeChat base Publicity Program Developer   2021 – 2022

Developed a WeChat-based program to publicize Truman State University for potential Chinese international applications by using varied **HTML**, **CSS**, and **JavaScript**. The main function includes introducing school rankings, dormitories, and dining information around the city.

· **Truman State University** | CAE - Academic Computer Science Tutor   2022 – PRESENT

During the employment with the Center for Academic Excellence, successfully tutored more than 15 students from various Computer Science courses. Constant interaction and assistance with professors and students on solving academic problems and study concerns.

· **Truman State University** | CIS - Student Support Team   2020 – 2022

During the employment with the Center for International, effectively handled hundreds of students from different countries related in computer, technical difficulties, or application issues. Enthusiastically assisted with student advisor and solved students' daily issues.

SKILLS & ABILITIES

Spoken Language:	English, Chinese.
Programming Languages:	Java, C/C++, JavaScript, Python, HTML, PHP, CSS, Vue3, React.
Framework:	TensorFlow, OpenCV, Kersa.
Software & Tools:	Git, Visual Studio Code, Eclipse.
Database:	MySQL, MongoDB.

RESEARCH EXPERIENCE

· **Capstone Research - Deep Machine Learning in Human Facial Recognition Algorithm**:
Through the aid and supervision of Dr. Ruthie Halma, successfully developed a biometric software for identity recognition based on information on human facial features. A series of related technologies that use OpenCV to capture an image or video stream containing human faces, automatically detect and track the face in the image, and then perform face recognition by building and training Convolutional Neural Network model and present this project on senior capstone seminar.
  ▪ Tech. involved: Deep Machine Learning + Convolutional Neural Network model + TensorFlow+ OpenCV

PROJECTS

· **HAC Tool**: Developed **application layer protocol** over UDP to facilitate High Availability Cluster (HAC) in peer-to-peer and client/server mode using Java. This protocol enables a simple UDP application layer protocol to facilitate the use of High-availability Cluster computing devices and to maintain information about nodes throughout the cluster.
  ▪ Tech. involved: Network Socket Programming + Java + UDP + Network Application Layer Design

· **GRE Vocabulary Management Website:** Developed a website that featured user account authentication and management, vocabulary editing, and session.
  ▪ Tech. involved: PHP + HTML + JavaScript + CSS + MySQL

· **Time Interval Plotting Tool:** Developed a program in **Python** plotting time interval data on a graph.
  ▪ Tech. involved: Python + Linux

COMPETITION

Humana-Mays Healthcare Analytics 2022:
In this inter-discipline programming & data analysis graduate-level competition, successfully combined programming skills in machine learning with a data analytics perspective by building a predictive model. Effective communication and hard teamwork eventually earned us a place among top university teams.

ACTIVITIES

Association for Computing Machinery | Active Member   2020 - PRESENT
· Facilitated discussions of popular and emerging topics in computer science both online and in bimonthly meetings