

Liao Zhu

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EDUCATION

University of Iowa

Bachelor of Arts in Computer Science

Iowa City, IA

Anticipated May 2025

- Relevant Coursework: Algorithms, Data Structures, Calculus 1/2, Multivariable Calculus, Discrete Structures, Computer Organization
- Member of UIowa Honors Program
- **Extracurriculars:** Software developer for UIowa Robotics, Member of UIowa Association for Computing Machinery (ACM)

EXPERIENCE

SWE Intern

University of Iowa AIS

January 2023 – Present

Iowa City, IA

- Integrating Java Play framework to contribute to the backend development of Otto, the school's IT administration system
- Utilized Java Gradle to convert legacy code to a faster, modern, script to improve production time

Web Development Intern

University College of Engineering

June 2022 – January 2023

Iowa City, IA

- Developed 40+ pages for College of Engineering using HTML/CSS and SiteNow v3
- Tasked with updating and developing pages as well as handling ticket requests for the College
- Completed over 20+ tickets to update or handle miscellaneous tasks for staff members and/or other faculty

PROJECTS

SayIT - a ChatGPT Chrome extension clone | *ReactJS, OpenAI*

January 2023 - Present

- Developing a Chrome extension that delivers ChatGPT experience without navigating away from the window
- Utilizes OpenAI's API to efficiently craft meaningful and relevant responses to user inputs
- Implemented a visually appealing React frontend that effectively showcases API responses, closely mimicking the design and functionality of the actual OpenAI ChatGPT application

TikTok Quote Video Generator | *Python, MoviePy, ZenQuotes API*

November 2022 - December 2022

- Deployed a Python script utilizing the ZenQuotes API and MoviePy library to generate TikToks
- Over 1900 total views, averaging 112 views per video
- Visit: www.tiktok.com/@liaozhuzhubot

Clask | *HTML/CSS, JavaScript, Python, Jinja, AssemblyAI, MySQL*

October 2022 - November 2022

- Constructed a full stack application allowing users to save transcriptions converted from class recordings
- Implemented a RESTful Python backend with Flask connected to a MySQL database system
- Designed and implemented the frontend with vanilla JavaScript, HTML/CSS, and Jinja

Twitter Bot GUI | *Python, Tkinter, Google Maps API, Twitter API*

December 2021

- Used Google Maps API to show user's current location and plot these Tweets around the user
- Enables users to set a desired radius at any location and search/click through Tweets within this range
- Implemented a visually appealing frontend using the Tkinter library that displays a map of a 5+ mile radius and tweets within that range

TECHNICAL SKILLS / TECHNOLOGIES

Proficient: Python, Java, JavaScript, HTML/CSS, Git

Familiar: ReactJS, VueJS, Flask, NodeJS/Express, MySQL