Shaoyuan (Eren) Chang

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EDUCATION

University of Florida, Herbert Wertheim College of Engineering | May 2026

Bachelor of Science in Computer Science | Gainesville, FL

GPA: 3.97

Relevant Coursework

- Computer Science Related
 - o Programming 1 and 2
 - Data Structures and Algorithms
 - Computer Organization
 - o Enterprise Software Engineering Practices

Machine Learning Related

- o Al Fundamentals
- o Intro to Machine Learning

School-Related Projects

- Created a version of Sudoku alongside a team utilizing the Pygame library
- Developed image processing software with a CLI that could perform tasks such as adding, subtracting two images
- Used SFML and Chrono libraries to create a version of Minesweeper with timer and recursive reveal
- Implemented an AVL tree which allows sorting by student ID
- Implemented simplified version of PageRank algorithm with graph theory and adjacency list

LEADERSHIP

Chinese American Student Association | August 2023 - May 2024

- Sports Coordinator
 - o Led and organized intramural sports practices
 - Worked with a team to organize large-scale events
 - Prepared freshman for university life

Mid-Autumn & Lunar New Year Advertising Committee Head

- Organized a team to advertise for 800+ people events
- o Created graphics & T-Shirts for said event
- o Established deadlines and intuitive workflows

PERSONAL PROJECTS / RELEVANT EXPERIENCE

Student Assistant in Machine Learning and AI | November 2023 - January 2024

- Assisted researchers in topics relating to Machine Learning, Pattern Recognition, and Signal/Image processing
- Cooperated in interdisciplinary teams
- Invested in time-management skills

Unipath | December 2023

- Created a tool which visualizes a chosen place using Kruskal's algorithm
 - o Includes place to place mapping along with walking ETAs
- Utilized the PvQT framework for the GUI
 - o Utilized Networkx for graphs
- Gathered locations based on Wikipedia tables via http requests

Charisma Calculator | September 2023

- · Programmed a tool which determined how close an input face was to the "charisma" face commonly found in social media
- Gathered data via scraping and fair use databases
- Preprocessed the data by standardizing dimensions, grayscaling, and standardizing pixel value
- Trained a custom sequential deep neural network using Tensorflow on a "charisma" convention
- Outputted the results with category and confidence index using a CLI

Discord Music Bot in Python | April 2023

- Created a music bot in Python using various libraries in order to play music in a voice channel on the application Discord
- Utilizes new Discord elements such as slash commands, buttons, drop-down menus, view objects
- Learned AWS EC2 by using an instance of it to host the bot

PAST WORK EXPERIENCES

- Gaucho Chima Steakhouse (May Nov 2023)
- Kitchen Team Member Wafu (May Aug 2022)

SKILLS