Chia-Jung, Chu

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OBJECTIVE STATEMENT

A computer science master graduate seeking for a software engineer position to show enthusiasm for programming and developing and dedicate what I have learned in algorithms and efficient programs to the company which I have a chance to work for.

EDUCATION

New Jersey Institute of Technology Expected 05/2023
- Master of Computer Science

National Sun Yat-sen University 09/2015 – 06/2019
- Bachelor of Computer Science and Engineering

SKILLS

Programming Languages & Tools

C | **C++** | **Python** | **Java** | JavaScript | SQL | HTML | Verilog | Git | Linux | Docker | UNIX | MATLAB

PROJECTS

Detection of Cyberbullying on Social Media Using ML 09/2022 – 12/2022
- Built a social media like website that detected cyberbullying words and warned users
- Trained data using 4 deep learning algorithms and had accuracy lifted to 96%
- Selected as one of the top projects in course to be presented in a seminar held by AT&T Inc.

External User Experience Intelligence 03/2022 – 04/2022
- Sponsored and guided by a team from Bank of America as a capstone project
- Extracted training data using Topic Modeling LDA and applied Random Forest to the model
- Converted trained output into data graph and created UI that help users compare the input and output they selected
- Scored to be one of the top 3 projects in more than 30 teams showcase

Local Connection Card Battle Game 02/2019 - 05/2019
- Implemented TCP socket to employ connection between a server and a client
- Built the GUI with Tkinter and improved the interface friendliness
- Designed and painted game art, including the background, buttons and card pictures

Machine Learning - Let's go Emoji Party All Night Woo 07/2018 – 02/2019
- Awarded a scholarship by Ministry of Science and Technology from Taiwan Government
- Implemented real time facial expression recognition, changed the light and played music adapting the environment
- Detected real time pictures captured by webcam using OpenCV and face features using dlib
- Divided four emotions into percentages using tensorflow and got more than 90% accuracy
- Connected Arduino and Python using Firmata to control the LED light bulbs to show result

EXPERIENCE

Deep Learning Course TA 01/2023 – Now
- Answer questions by students about the coding parts of the assignments and quizzes
- Give advice and assistants to students with their Kaggle competitions and projects

Student Research Assistant 10/2022 – 03/2023
- Researched under faculty on the basis of NLP using ML and AI with a backend framework for Cyber bullying detection in Social media
- Presented study results as a project to an AT&T team and received good feedback