Hao Massimo Chen

haomassimochen@gmail.com   (201) 904-6229   Kearny, NJ
Personal Website   GitHub   LinkedIn

WORK EXPERIENCE

Application Developer Intern - Chat/ChatBot Orchestration team - Automatic Data Processing, Inc. (ADP)

June 2022 - August 2022 Roseland, NJ

- Built widget to send logs with custom properties from ChatApi (.NET) to Splunk using C# and libraries such as Serilog in order to increase efficiency and speed in customer support and contact center.
- Optimized, and simplified previous code in ChatApi making it easy to maintain, and debug.
- Used statistics and data visualization to efficiently code queries for retrieving abnormal data coming from the system's APIs, and consequently send automatic alarms to Webex, email, and text informing the status of the system through Splunk.
- Created automatic daily Splunk reports that analyze the status of all the System's APIs giving essential information to summarize activity of the day.

Undergraduate Research Assistant - NASA Living with Star (LWS) team - New Jersey Institute of Technology

January 2020 - May 2023 Newark, NJ

- Process FITS data using programming language IDL, analyze/sort the quality of each set, and track/mark data with noises. Lead improvement in productivity (increased 28.57% weekly data processed).
- Built a Python program for AIA data processing. The program takes a dataset, converts it to a movie, and shows the interested region of the solar disk. Used the Python libraries SunPy, Matplotlib, Astropy, NumPy, IPython, and AiaPy.
- Researched and tracked potential programming solutions.
- Seasonal presentation on new tasks and jobs, and weekly report about progress to the project team.

PROJECTS

Log Visualizer Tool - Back-End team - Capstone Project - Jabil

January 2023 - May 2023

- Led the back-end development of a robust log parsing tool using Python to streamline debugging for embedded systems.
- Implemented a system to convert parsed log files into an optimized JSON format for enhanced UI data presentation.
- Successfully handled and normalized inherent inconsistencies within log structures and embedded XML messages.

Music Buddy - Founder

September 2022 - December 2022

- Built the Android app designed to help users find and make friends based on their music taste using the help of the Spotify API.
- Users can login with the Spotify account, chat with friends, discover new people, and see their top artists.
- Developed using Android Studio (programming language Kotlin), and used the database Parse .

EDUCATION

New Jersey Institute of Technology - B.S., Computer Science

September 2019 - May 2023, GPA: 3.90   Newark, NJ

Awards: NJIT Academic Scholar Award; The National Society of Collegiate Scholars (NSCS); Summa Cum Laude Medal
Relevant courses: Data Structures; Algorithms; Intensive Programming in Linux; Internet Applications; Programming Language Concepts; Database System Design & Management; Principles of Operating Systems; Intro to Computer Systems; Android Application Development; Intro Computer Networks; Intro Data Science; Guided Design in Software Engineer

SKILLS

Technical

Java; C++; C; C#; Python ; JavaScript; HTML/ CSS; SQL ; IDL; Git / GitHub; Splunk; Kotlin, React, RedwoodJS, JS, GraphQL, Chakra;

Non-Technical

Trilingual (fluent in Italian, Chinese, English. Knowledge of Spanish); Teamwork; Time management; Problem Solving; Creative Thinking.