

Hao Massimo Chen

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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 2022 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

[Simple Shop Website](#) - Creator

October 2021 - December 2021

- Built a full stack web app of a simple online shop where users can register and login from their account, add the products to cart, purchase them, and also rate them. The administrator account can access, add, and delete products, and give different accessibility to users. The website is hosted on Heroku.
- Manage data in the database across different tables using SQL (mysql).
- Developed the website using PHP, JavaScript, SQL, HTML, CSS, and Bootstrap (some features).

EDUCATION

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

September 2019 - May 2023, GPA: 3.91

Newark, NJ

Awards: NJIT Academic Scholar Award; The National Society of Collegiate Scholars (NSCS)

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.

SKILLS

Technical

Java; C++/C; Python ; JavaScript; HTML/ CSS; SQL ; IDL; Git / GitHub

Non-Technical

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