

Jason Chen

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EDUCATION

University of Maryland

College Park, MD | May 2024

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Minor in Advanced Cybersecurity Experience for Students (ACES)

GPA: 3.7

Awards: Brian G. Lyons Computer Science Endowed Scholarship, John D. Gannon Endowed Scholarship, CMNS Undergraduate Scholarship

Coursework: Object-Oriented Programming I, Object-Oriented Programming II, Discrete Mathematics, Introduction to Computer Systems, Organization of Programming Languages, Algorithms, Introduction to Data Science

SKILLS

Languages: Python, Java, C, Ruby, OCaml, SQL

Web Development: React, JavaScript, HTML/CSS

Technology: Git, GCP, Docker, MongoDB, LaTeX

WORK EXPERIENCE

COOPERATIVE INSTITUTE FOR SATELLITE EARTH SYSTEM STUDIES | COMPUTER SCIENCE INTERN

College Park, MD | July 2019 – Dec 2020

- Created data visualizations of lightning data for performance analysis using **Python**.
- Designed and implemented a website using **HTML**, **CSS**, and **JavaScript** to display visualized data.
- Implemented scripts to automate data processing and visualizations.
- Optimized and refactored plotting and gridding code.
- Worked with team and discovered drastic improvements over coverage and sensitivity of the network.

PROJECTS

RESTAURANT FINDER

POSTGRESQL, EXPRESS, REACT, NODE.JS

- Created a Yelp clone that allows users to add, edit, and view restaurant information and reviews.

SPOTIFY WEB APPLICATION

REACT

- Created a web application that authorizes Spotify user to access user data.
- Fetched user data through Spotify's Web API after authorization to display their top tracks and playlists.

COVID-19 STATISTICS DISCORD BOT

PYTHON

- Developed a Discord bot to display and track COVID-19 statistics used in over 18,000 servers.
- Used Google Cloud Platform to host bot and collect logs.
- Used Pandas to scrape and clean data and Matplotlib to create visualizations.

VALORANT API DISCORD BOT

PYTHON, MONGODB

- Developed a Discord bot that shows ranked point movement using Valorant's Private/In-Game API and match summary using Tracker Network API.
- Parsed and displayed data from JSON returned by web-request to API.
- Used MongoDB as database to store user profiles.