Jason Cheng

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🎓 Education

Rutgers University- New Brunswick   09/2018 - 01/2022
Bachelor of Science in Computer Science
GPA: 3.90
SAS Honors Program
Phi Beta Kappa
SAS Excellence Award - Scholarship

💼 Experience

Amazon   06/2021 - 08/2021
Incoming Software Development Engineer Intern   Seattle, WA

84.51°   01/2021 - 04/2021
Software Engineer Intern   Remote
· Deployed map and patient dashboard pages using Angular and Java Springboot onto Microsoft Azure

· Used PostgreSQL to store and query geospatial data of census block groups for Azure map visualization

· Introduced Cypress End-to-End testing throughout the web app

UnitedHealth Group   06/2020 - 08/2020
Software Engineer Intern   Remote
· Created an employee analytics web app using the MERN stack for the United Healthcare human capital team

· Leveraged internal TigerGraph database to perform graph analysis on employee digital exhaust data

· Implemented data visualization tools to depict employee communication networks

Rutgers University Learning Center   09/2019 - 12/2019
Teaching Assistant for Introduction to Computer Science (CS111)   New Brunswick, NJ
· Led and facilitated discussions with 33 students in recitations.

· Taught fundamental programming concepts in Java.

· Closely collaborated with course instructors to develop a review curriculum for CS111.

🗄 Projects

TeamRU 🔗   02/2020 - present
Open Source Project
· Contributor for TeamRU: Flask API for finding and matching students for the Rutgers Hackathon scene

· Designed team membership endpoints to facilitate the joining and leaving of users

· First launched in Fall 2020 HackRU with 25 users

Aresty Research Center 🔗   09/2019 - 04/2020
Research Assistant
Principal Investigator: Professor Weihong Guo
Topic: Data Analytics for Advanced Vehicle Manufacturing
Language: Python

· Analyzed plant production data to monitor machine status, predict machine faults and identify the root cause of errors

· Utilized methods in statistical quality control, including univariate and multivariate control charts to monitor process control

· Responsible for data preprocessing, visualization, and performing data mining algorithms and statistical analysis

🧠 Skills

| **Python** *(Flask)* | **Java** *(Spring Boot)* | **C** | **JavaScript** *(React, Redux)* | **TypeScript** *(Angular)* | **HTML** |

| **CSS** *(SCSS)* | **SQL** *(PostgreSQL)* | **MongoDB** | **Cypress** |