

# Jason Cheng

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## 🎓 Education

**Rutgers University- New Brunswick**  
**Bachelor of Science in Computer Science**

09/2018 - 01/2022

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