

# 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

### PathAI Software Engineer Intern

09/2021 – 12/2021  
Remote

### Amazon Software Development Engineer Intern

06/2021 – 08/2021  
Seattle, WA

- Designed and deployed a full-stack feature that enables the operations team to remove product attributes in the retail catalog.
- Built with React for UI, Java for backend logic, and TypeScript for AWS infrastructure provisioning
- Architecture powered by AWS technologies including S3, DynamoDB, Lambda, SQS, and API Gateway

### 84.51° Software Engineer Intern

01/2021 – 04/2021  
Remote

- Built and deployed patient-health dashboards using Angular and Java Springboot onto Microsoft Azure
- Leveraged PostgreSQL to store and query geospatial data of census block groups for Azure map visualization
- Introduced Cypress End-to-End testing throughout the health web app

### UnitedHealth Group Software Engineer Intern

06/2020 – 08/2020  
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 Teaching Assistant for Introduction to Computer Science (CS111)

09/2019 – 12/2019  
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
- 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

AWS