

Jason Cheng

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🎓 Education

Rutgers University- New Brunswick [🔗](#)
Bachelor of Science in Computer Science
• GPA: 3.91
• Phi Beta Kappa

09.2018 – 12.2021

💼 Experience

Akuna Capital [🔗](#)
Junior Developer

Current
Chicago, IL

PathAI [🔗](#)

09.2021 – 12.2021
Remote

Software Engineer Intern

- Introduced browser caching of static files and deep zoom image (DZI) tiles on the clinical trial services application, which led to a 0.7-second improvement in page rendering time.
- Translated several Gitlab CI scripts from Bash to Python with added Pytest unit tests for easier maintenance.
- Created Datadog dashboards for AWS cost tracking and configured Datadog Synthetic Monitoring instances for website monitoring.

Amazon

06.2021 – 08.2021
Seattle, WA

Software Development Engineer Intern

- 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° [🔗](#)

01.2021 – 04.2021
Remote

Software Engineer Intern

- 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

06.2020 – 08.2020
Remote

Software Engineer Intern

- 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- New Brunswick

09.2019 – 12.2019
New Brunswick, NJ

Teaching Assistant for Introduction to Computer Science (CS111)

- 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 – 06.2021

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

- 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, Pytest)

Java (Spring Boot)

C

JavaScript (React, Redux, Jest)

TypeScript (Angular)

HTML

CSS (SCSS)

SQL (PostgreSQL)

MongoDB

Cypress

AWS

Docker

Kubernetes

Datadog

GitLab CI/CD