

# JASON CHENG

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## EDUCATION

Rutgers University- New Brunswick  
Bachelor of Science in Computer Science  
GPA: 3.893  
SAS Honors Program  
Phi Beta Kappa  
SAS Excellence Award - Scholarship

Sept. 2018 to May 2022

## EMPLOYMENT

Optum  
Software Engineer Intern

Basking Ridge, NJ  
June 2020 to Aug. 2020

- Created an employee analytics web app using the MERN stack for the human capital team at United Healthcare
- Leveraged the internal graph 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

New Brunswick, NJ  
Sept. 2019 to Dec. 2019

TA for Introduction to Computer Science (CS111)

**Language:** Java

- Led and facilitated discussions with approximately 30 students in recitations
- Taught fundamental programming concepts in Java
- Closely collaborated with course instructors to develop a review curriculum for CS111

## RESEARCH

Aresty Research Center · Research Assistant

Sept. 2019 to Apr. 2020

**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

## PROJECT

Photo Gallery App

Mar. 2020 to May 2020

**Language:** Java, Android

- Created a photo application that allowed multiple users to store their photos in albums using the JavaFX module
- Iterated on the initial project by building an Android version of the original app

## SKILLS

**Languages:** Python, SQL, JavaScript, Java, C

**Technologies:** Git, HTML, CSS, MongoDB, Redux

**Frameworks:** React, Flask

## ACTIVITY

HackRU R&D Team · Software Developer

Feb. 2020 to Current