

JASON CHENG

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in jason-cheng-swe 🐙 JasonCheng1

EDUCATION

Rutgers University- New Brunswick
Bachelor of Science in Computer Science

Sept. 2018 to May 2022

- GPA: 3.893
- SAS Honors Program
- Phi Beta Kappa
- SAS Excellence Award - Scholarship

EMPLOYMENT

UnitedHealth Group
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