JASON CHENG

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in jason-cheng-swe JasonCheng1

EMPLOYMENT

June 2020 to Aug. 2020

Optum · Software Engineer Intern · Basking Ridge, NJ
- Using React to develop a web app for the Human Capital Team to analyze employee data
- Leveraging the internal TigerGraph database for querying and data manipulation

Sept. 2019 to Apr. 2020

Aresty Research Center · Research Assistant · New Brunswick, NJ
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

Sept. 2019 to Jan. 2020

Rutgers University Learning Center · Teaching Assistant · New Brunswick, NJ
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 worked with course instructors to develop review curriculum for CS111

EDUCATION

Sept. 2018 to Current

Rutgers University- New Brunswick
Bachelor of Science in Computer Science
GPA: 3.893
Dean's List
SAS Honors Program
Phi Beta Kappa

SKILLS

LANGUAGES	Python, Java, SQL, C, JavaScript
TECHNOLOGIES	Git, Markdown, HTML, CSS
FRAMEWORKS	React, Redux

PROJECTS

Mar. 2020 to May 2020

Photo Gallery App
Language: Java, Android
- Implemented a photos application that allowed multiple users to store their photos in albums using the JavaFX module
- Iterated on the initial project by building an Android App that carried over many of the same features

AWARDS

June 2019

Rutgers University · SAS Excellence Award
Scholarship

ACTIVITIES

Feb. 2020 to Current

HackRU R&D Team · Software Developer