JASON CHENG

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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
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 Phi Beta Kappa Dean's List SAS Honors Program

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