BRANDON CHEN

bxc4081@rit.edu https://brandonchen1.github.io/ (917) 868-3608
www.linkedin.com/in/brandonchen0517 BrandonChen1

SUMMARY

To further develop software skills and obtain critical experience by working first internship.
Availability: Summer 2019

EDUCATION

Rochester Institute of Technology, Rochester, NY Aug. 2017 - May 2022
Bachelor of Science in Computer Science 2022
Minor in Applied Statistics
4.0 GPA

EMPLOYMENT

Data Analytics Research, *Researcher*, Rochester Institute of Technology
Used data modeling and other statistical analytic techniques to analyze a large set of data to evaluate the performance and predict the expected maintenance of industry equipment.

Arthur R. Breuer Professional Engineers, *Intern*, Chappaqua, NY
Summer 2018
Used AutoCAD to draw electrical diagrams for HVAC systems.
Utilized Excel for data management.

Mount Sinai Hospital Pathology Department, *Research Assistant*, New York, NY
Summer 2014, Summer 2016
Updated and established database for consent form information.
Led a team to prepare the laboratory for a CAP (College of American Pathologists) inspection.
Conducted conference calls with international co-workers to discuss projects.

SKILLS

SOFTWARE: Python, Java, C++, Matlab, HTML/CSS, Javascript, MySQL, Microsoft Office, C, MongoDB, Node.js, Socket.io

PROJECTS

Shape Recognition - Matlab
Developed software for shape recognition of jpg images.
Utilized bounding boxes to determine the number of sides and the ratios of the sides for different shapes.

Zipf's Law - Python - Matplotlib
Studied and observed Zipf's Law by creating an application that tracked the occurrences of words from a unigram of data.
Used matplotlib to plot the data in histograms and loglog plots to visualize the data.

Portfolio - HTML - CSS - Bootstrap
Created a portfolio that can be accessed at brandonchen1.github.io.

Youtube Video Synced - HTML - CSS - JQuery - Express - WebSockets
Created a web application that allows multiple users to watch the same youtube videos at the same time. Users have the same capabilities as on the Youtube website.
Built the entire stack with Node.js and used web sockets to connect clients to servers. Used Youtube's Iframe api to create the video player.

Recipe Recommendation - Python - Flask - HTML - CSS - ImageAI
Created a web application that utilized machine learning to determine foods given a jpg and returning links to external websites for recipes given that user's food.
Built the front end using flask integrated with HTML and styled with CSS.