BRANDON CHEN

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SUMMARY	To further develop software skills and obtain critical experience by working first internship. Availability: Summer 2019	
EDUCATION	Rochester Institute of Technology, Rochester, NY Bachelor of Science in Computer Science 2022 Minor in Applied Statistics 4.0 GPA	Aug. 2017 - May 2022
EMPLOYMENT	Data Analytics Research , <i>Researcher</i> , 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 , <i>Intern</i> , Chappaqua, N Summer 2018 Used AutoCAD to draw electrical diagrams for HVAC systems. Utilized Excel for data management.	ł
	Mount Sinai Hospital Pathology Department , <i>Research Assistant</i> , N 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 Patholo Conducted conference calls with international co-workers to discuss projects	New York, NY ogists) inspection. s.
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 personal portfolio hosted on github at brandonchen1.github.io.	
	Youtube Video Synced - HTML - CSS - JQuery - Express - We Created a web application that allows multiple users to watch the same you Users have the same capabilities as on the Youtube website. Built the entire stack with Node.js and used web sockets to connect clients Iframe api to create the video player.	b Sockets tube videos at the same time. to servers. Used Youtube's
	Classroom Community - Node.JS - Javascript - Express - WebSockets - JQuery Built a web application for RPIHack that allows teachers to create classroom chats that allow students to anonymously ask questions for the professor to see. Built the entire stack using Node.JS and ExpressJS backend with WebSockets for networking. Hosted using Heroku at rpihack.herokuapp.com.	
	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.	
AWARDS	DataFest RIT	Mar. 2019

Won the Best Data Visualization in the 2019 RIT DataFest.