

Yunting (Heather) Yin

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EDUCATION	Stony Brook University , Stony Brook, NY Ph.D. in Computer Science Research Interests: Natural Language Processing, Machine Learning Recipient of Chairman's Fellowship	Aug 2019 - Present GPA: 3.86/4.0
	Pace University , New York, NY B.S. in Computer Science Graduated with Scholastic Achievement Award and Summa Cum Laude Honors Recipient of Honors College Scholarship and Honors Opportunity Scholarship	Sept 2016 - May 2019 Rank: 1, GPA: 3.98/4.0
TECHNICAL SKILLS	Languages: Python, Java, C/C++, C#, SQL, R, PHP, JavaScript Tools & Software: Jupyter, PyCharm, Eclipse, Git, Visual Studio, Matlab, L ^A T _E X Libraries: NumPy, Scikit-learn, NLTK, PyTorch, Keras, TensorFlow, Hadoop, d3.js	
EXPERIENCE	Teaching Assistant, Stony Brook University Teaching assistant for the following courses: - CSE 307 Principles of Programming Languages (Fall 2019 & Spring 2020) - CSE 351 Introduction to Data Science (Summer 1 2020) - CSE 215 Foundations of Computer Science (Summer 2 2020)	Aug 2019 - Present
	Math Tutor, Pace University Learning Center - Help students understand Statistics and Calculus	Sep 2018 - May 2019
	Web Developer Intern, Overseas Students Services Corp - Code web applications and integrate into WordPress CMS - Work in team to create client-friendly web interfaces using CSS and JavaScript	Oct 2017 - May 2018
PROJECTS	How much do people sleep? Skills: Python, Numpy, Scikit-learn Analyzed large-scale Twitter data to get insight into factors affecting how much sleep different populations receive, and how sleeping schedule affects mental health.	
	Seatizen App Skills: C#, Python, Microsoft Azure Developed during MTA hackathon to predict occupancy patterns using historical data and calculate real time passenger count using camera feeds and object identification.	
	Seq2Seq ChatBot Skills: Python, TensorFlow Created a neural network-based chatbot model from a dataset of movie conversations.	
	COVID19 Data Analysis Skills: Java, Hadoop , MapReduce, Spark Reported number of deaths and number of cases per 1 million population for every location/country in between a given range of dates to analyze the spread of virus.	
PUBLICATION	Nanjie Deng, Junchao Xia, Lauren Wickstrom, Clement Lin, Kaibo Wang, Peng He, Yunting Yin , and Danzhou Yang. "Ligand Selectivity in the Recognition of Protoberberine Alkaloids by Hybrid-2 Human Telomeric G-Quadruplex: Binding Free Energy Calculation, Fluorescence Binding, and NMR Experiments", in Molecules 2019, 24(8), 1574. [Contribution: Python Scripts for Computation]	