

## Yunting (Heather) Yin

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EDUCATION	<b>Stony Brook University</b> , Stony Brook, NY <b>Ph.D. in Computer Science</b> Research Interests: Natural Language Processing, Machine Learning Recipient of Chairman's Fellowship	Aug 2019 - Present GPA: 3.86/4.0
	<b>Pace University</b> , New York, NY <b>B.S. in Computer Science</b> 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	<b>Languages:</b> Python, Java, C/C++, C#, SQL, R, PHP, JavaScript <b>Tools &amp; Software:</b> Jupyter, PyCharm, Eclipse, Git, Visual Studio, Matlab, L <sup>A</sup> T <sub>E</sub> X <b>Libraries:</b> NumPy, Scikit-learn, NLTK, PyTorch, Keras, TensorFlow, Hadoop, d3.js	
EXPERIENCE	<b>Teaching Assistant, Stony Brook University</b> 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
	<b>Math Tutor, Pace University Learning Center</b> - Help students understand Statistics and Calculus	Sep 2018 - May 2019
	<b>Web Developer Intern, Overseas Students Services Corp</b> - 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	<b>How much do people sleep?</b> Skills: Python, Numpy, <b>Scikit-learn</b> Analyzed large-scale Twitter data to get insight into factors affecting how much sleep different populations receive, and how sleeping schedule affects mental health.	
	<b>Seatizen App</b> 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.	
	<b>Seq2Seq ChatBot</b> Skills: Python, <b>TensorFlow</b> Created a neural network-based chatbot model from a dataset of movie conversations.	
	<b>COVID19 Data Analysis</b> Skills: <b>Hadoop</b> , MapReduce, <b>Spark</b> 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.	
PUBLICATIONS	Nanjie Deng, Junchao Xia, Lauren Wickstrom, Clement Lin, Kaibo Wang, Peng He, <b>Yunting Yin</b> , 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]	