

Yunting (Heather) Yin

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EDUCATION	Stony Brook University , Stony Brook, NY Ph.D. Candidate in Computer Science Advisor: Steven Skiena Research Areas: Speech Processing, Natural Language Processing, Machine Learning Recipient of Chairman's Fellowship	Aug 2019 - Present GPA: 3.8/4.0
	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, Kaldi, Visual Studio, L ^A T _E X Libraries: NumPy, Scikit-learn, NLTK, PyTorch, TensorFlow, Hadoop, React, D3.js	
EXPERIENCE	Research Assistant, Stony Brook University - Working on machine learning methods for audio/video processing	Jan 2021 - Present
	Teaching Assistant, Stony Brook University - TA for the following courses: CSE 307, CSE 351, CSE 215, CSE 519, CSE 310	Aug 2019 - Aug 2021
	Math Tutor, Pace University Learning Center - Explain theories of statistics and calculus to students	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	Speech Analysis on Aging and Age-related Diseases Skills: Python, C++, Audio & Speech Processing An ongoing research project that aims to identify biomarkers of aging and symptoms of cognitive diseases from acoustic features in video interviews.	
	Age Prediction on VoxCeleb Datasets Skills: Python, Audio & Speech Processing Transformed VoxCeleb into a longitudinal dataset with speaker age information and performed age prediction tasks.	
	How much do people sleep? Skills: Python, Sentiment Analysis 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 Developed during MTA hackathon to predict occupancy patterns using historical data and calculate real time passenger count using camera feeds and object identification.	
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 <i>Molecules</i> 2019, 24(8), 1574.	