Yunting (Heather) Yin

yunyin@cs.stonybrook.edu
LinkedIn : https://www.linkedin.com/in/heather-yin-960812143/ (646)344-2497
Github : https://github.com/Yinsight https://yinsight.github.io/

EDUCATION

Stony Brook University, Stony Brook, NY — Aug 2019 - Present
Ph.D. in Computer Science — GPA: 3.86/4.0
Research Interests: Natural Language Processing, Machine Learning
Recipient of Chairman's Fellowship

Pace University, New York, NY — Sept 2016 - May 2019
B.S. in Computer Science — Rank: 1, GPA: 3.98/4.0
Graduated with Scholastic Achievement Award and Summa Cum Laude Honors
Recipient of Honors College Scholarship and Honors Opportunity Scholarship

TECHNICAL SKILLS

Languages: Python, Java, C/C++, C#, SQL, R, JavaScript
Tools & Software: Jupyter, PyCharm, Eclipse, Git, Visual Studio, Matlab, LaTeX
Libraries: NumPy, Scikit-learn, NLTK, PyTorch, Keras, TensorFlow, Hadoop, d3.js

EXPERIENCE

Teaching Assistant, Stony Brook University — Aug 2019 - Present
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)

Math Tutor, Pace University Learning Center — Sep 2018 - May 2019
- Provide tutoring for Statistics and Calculus

Web Developer Intern, Overseas Students Services Corp Oct 2017 - May 2018
- Update online applications
- Work in team to create client-friendly web applications

PROJECTS

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.

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.

Seq2Seq ChatBot
Skills: Python, **TensorFlow**, TensorBoard
Created a neural network-based chatbot model from a dataset of movie conversations.

Automated Stock Trader
Skills: Python, Scikit-learn
Implemented a deep reinforcement learning program to automatically buy and sell stocks in a simulated stock market environment.

PUBLICATIONS

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**]