Yunting Yin

LinkedIn : https://www.linkedin.com/in/heather-yin-960812143/

Github : https://github.com/Yinsight

yunyin@cs.stonybrook.edu

(646)344-2497

https://yinsight.github.io/

EDUCATION

Stony Brook University, Stony Brook, NY — Expected May 2024
Ph.D. in Computer Science — GPA: 3.80/4.0
Research Interests: Natural Language Processing, Machine Learning
Recipient of Chairman′s Fellowship

Pace University, New York, NY — May 2019
B.S. in Computer Science — GPA: 3.98/4.0
Recipient of Scholastic Achievement Award and Summa Cum Laude Honors

TECHNICAL SKILLS

Languages : Python, Java, C/C++, Matlab, R, JavaScript
Tools & Packages : Eclipse, Xcode, Git, Numpy, Tensorflow, LaTeX

EXPERIENCE

Teaching Assistant, Stony Brook University — Aug 2019 - Present
- Teaching assistant for CSE 307 Principles of Programming Languages (Fall 2019)

Math Tutor, Pace University Learning Center — Sep 2018 - May 2019
- Provide tutoring for math classes including Statistics and Calculus
- Attend class as teaching assistant and schedule reviews

Lab Support Volunteer, TEALSK12 — Jun 2018 - Jun 2019
- Provide lab support for the "Introduction to CS" course at South Bronx Preparatory

Web Developer, Overseas Students Services Corp — Oct 2017 - May 2018
- Update current online applications
- Develop and implement usability testing process
- Work in team to create client-friendly web applications

PROJECTS

How much do people sleep?
Analyzed large-scale Twitter data to get insight into factors affecting how much sleep different populations receive, and how sleeping schedule affects mental health.

IEEE-CIS Fraud Detection
Skills: Python, **Numpy**, **Scikit-learn**
Developed scripts for Logistic Regression and XGBoost classifier on a large e-commerce dataset to predict fraud transactions.

Iperfer and Pinger
Skills: Java, **Socket Programming**, Mininet
Implemented an Iperfer tool (client and server) to send TCP packets between a pair of hosts using sockets and to measure network bandwidth. Implemented a Ping application based on UDP that performs echoing and allows hosts to determine round-trip times.

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.