(917) 539-8836 https://hk0430.github.io/kenny
Kenny.hu.kh@gmail.com LinkedIn: /in/kennyhu30/

Kenny Hu

EDUCATION

Stony Brook University SUNY August 2017 - May 2021
Computer Science, B.S. GPA: 3.58/4.0
Applied Mathematics & Statistics, B.S.

WORK EXPERIENCE

Data Structures Teaching Assistant at Stony Brook University January 2020 - May 2020
- Collaborated with faculty members to deliver a comprehensive understanding of data structures to students
- Promoted an interactive and personalized learning experience for students during office hours and recitations
- Helped design object-oriented programming problems that utilize a variety of data structures

Brooklyn Navy Yard Development Corporation Technology Intern June 2019 - August 2019
Brooklyn Navy Yard Development Corporation Technology Intern June 2018 - August 2018
- Wrote scripts to automate basic tasks
- Worked with JAMF to supervise the corporation's iOS devices
- Managed the corporation's users in various systems as system administrator
- Worked as a help desk technician and resolved hardware, software, and connectivity issues
- Created a live network map detailing network connection between buildings, status and location of each device

PROJECTS

Senior Project: Congressional Districting Analysis Webapp – written in JavaScript/HTML/CSS/Python/Java
- Coded in React.js, the UI has an interactive map that show a state's district and precinct boundaries and voting data, and a reactive sidebar for user input parameters to feed into the districting algorithm
- Usage of the university supercomputer and MCMC algorithm to generate hundreds of thousands of districtings
- Optimization of the objective function to return a small set of optimal districtings based on user input parameters
- Experience with UI design, client/server interaction, client framework, graph algorithms and data serialization

Technical Analysis App – written in Python https://ta-py.herokuapp.com/
- Identified support and resistance levels for a given ticker through analyzing historical data
- Calculated trend lines using statistics and evaluated whether they are respected by historical price action
- Provided a brief technical analysis using a combination of chart trends, patterns, indicators and key price levels
- Practiced docstring documentation and familiarized myself with popular data analysis libraries (numpy, pandas)

SKILLS

Programming Languages: C • CSS • HTML • Java • JavaScript • MIPS Assembly • Python

Libraries/Frameworks: Bootstrap • NumPy • pandas • React • Redux • Yahoo Financials

Other Skills: Android Studio • Firebase • Scripting • System Administration

Finance: Options Trading • Technical Analysis

Languages: Cantonese • Mandarin

ACTIVITIES

SBUHacks - PiggyBank Android App – written in Java September 2019

HackNYU - Education Web App – written in JavaScript/HTML/CSS February 2019