Kenny Hu

Brooklyn, NY | kenny.hu.kh@gmail.com | 917.539.8836 | linkedin.com/in/kennyhu30

EDUCATION

Stony Brook University   2017-2021
Computer Science, Bachelor of Science B.S.   GPA: 3.6
Applied Mathematics & Statistics, Bachelor of Science B.S.
System Fundamentals • Analysis of Algorithms • Computer Security • Computer Networks • Calculus • Operations Research

TECHNICAL SKILLS

Programming Languages:	C • CSS • HTML • Java • JavaScript • MIPS Assembly • Python
Library/Frameworks:	Bootstrap • React • Redux • JAX-RS • NumPy • pandas
Tools:	Android Studio • Git • GitHub • IntelliJ • PyCharm • Visual Studio Code
Finance:	Options Trading • Securities Pricing • Technical Analysis • thinkorswim
Languages:	Cantonese (native) • Mandarin (fluent)

PROJECTS

Senior Project: Congressional Districting Analysis Web App – written in JavaScript/HTML/CSS/Java/Python
- Written a reactive GUI that contains an interactive map with the options for users to see district/precinct boundaries within a state and a multistate sidebar for users to input filtering parameters and analyze districting information.
- Drew class, sequence and activity diagrams that act as blueprints for building the application.
- Used the university HPC cluster and MGGG algorithm to generate hundreds of thousands of districtings.
- Optimized the objective function to return a small set of optimal districtings based on user input parameters.
- Experienced in UI design, performance analysis, client/server interaction, graph algorithms and data serialization.

Technical Analysis Web 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 past price action.
- Provided a 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.

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 and projects that utilize a variety of data structures and algorithms to test students' understanding of the course material.

Brooklyn Navy Yard Development Corporation Tech Intern   June 2019 – August 2019, 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.