Jinsung Kim

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Projects & Experience

DEMYSTIFY DOJI CANDLESTICK | PANDAS, MATPLOTLIB | DEC. 2023 – JAN. 2024 | [VIEW PROJECT]

- Utilized linear regression and statistical analysis to quantify stock price trends and patterns, particularly analyzing Doji candlestick formations to identify trend reversals.
- Leveraged Python, pandas, and matplotlib to automate the entire data processing pipeline from importing and cleaning to visualizing trends and saving detailed comprehensive reports.

PORTFOLIO WEBSITE | HTML, CSS, JAVASCRIPT | JUN. 2023 | [VIEW PROJECT]

- Strengthened responsive design, and flexbox skills in CSS, and JavaScript DOM manipulation within Web API by creating a creative portfolio website modeled after the MacOS environment, which includes drag & drop.
- Implemented best coding practices including the avoidance of global queries and the use of class manipulation instead of inline styles for improved readability and maintainability.

MICROSOFT PYGAMES HACKATHON | PYTHON, PYGAME | MAR. 2023 – APR. 2023 | [VIEW PROJECT]

- Developed a game with Python, applying both functional programming and object-oriented programming (OOP) to ensure efficient and maintainable code.
- Managed and parsed game data by storing level configurations in an external JSON file, and loading them back into the game, allowing for seamless adjustments to game settings, and improved maintainability.
- Implemented error handling and file checking using try-except blocks to ensure the game runs smoothly and can adapt to missing or improperly formatted data files.
- Utilized a hash map for game elements, allowing for easy modification and fast look-ups.
- Refactored code from a 6-month-old project. Focused on code readability and maintainability by implementing a question, 'Will I be able to understand it in 6 months?'

MENTOR / MENTEE | EXERCISM.ORG | JUN. 2022 – CURRENT

- Provided mentoring and feedback to beginner learners in programming languages such as Python and JavaScript, helping them improve their coding skills and understanding of fundamental programming concepts.
- Enhanced critical thinking, problem-solving, and communication skills by working closely with a diverse group of learners, accumulating over 100 contribution points on the platform.

Education

UNIVERSITY OF THE PEOPLE (ONLINE) **EXPECTED GRADUATION: JUN.2026**

B.S. in Computer Science *Cumulative GPA: 3.75/4.0*

Relevant Coursework: Introduction to Statistics, Statistical Inference, Calculus, College Algebra, Data Structures, Algorithms, Object Oriented Programming, Introduction to Economics, etc.

Skills

Languages: Python, R, JavaScript, Java, HTML, CSS, SQL

Technologies/Frameworks: Linux, Unix, Git, GitHub, AWS, Django, REST API, Postman, Bootstrap, Mocha, NPM, PIP, Tableau

- Eager to expand my expertise in AI technology and apply this knowledge to create value.
- Equipped with resilience, good character, and a positive attitude.

After seven years immersed in trading, I recognized the essential role that quantitative research and statistical analysis play in market success. This realization led me to delve into mathematics, programming, and statistics. I am eager to fully utilize my capabilities in fields that allow for the integration of these areas of knowledge.