Jacky Chen

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Education

Stony Brook University **Expected 05/2026**
Bachelor of Science in Computer Science **Stony Brook, NY**
Relevant Coursework: *Data Structures and Algorithms (Java), Object-Oriented Programming (Java), System Fundamentals (C), Discrete Mathematics, Fundamentals of Software Development*

Projects

Discord Bot| *Python*

- Developed a Discord bot that interacts with users in Discord
- Implemented CoinMarketCap API where users can call a command to receive reports on crypto prices
- Implemented ChatGPT API that allows users to use ChatGPT in a discord setting

Breast Cancer Data Visualization | *Python*

- Applied Python Pandas to manipulate CSV data provided for breast cancer solid tissue and primary tumor analysis
- Created informative data visualizations, including plots such as box plots, volcano plots, and PCA plots.
- Visualized and highlighted gene expression patterns, contributing to a comprehensive understanding of breast cancer characteristics
- Utilized Matplotlib to generate visually appealing plots for effective data interpretation

Experience

Lev Maps **07/2023 - 08/2023**
Brand Ambassador New York, NY

- Boosted LEV Maps' user base by 25% through persuasive in-person pitches and the implementation of highly engaging marketing strategies
- Fostered strategic partnerships with more than 10 dog-focused businesses, significantly broadening the marketplace's rewards selection and increasing user retention
- Orchestrated innovative marketing campaigns, amplifying LEV Maps' presence in the dog-loving community

CEYE Bioinformatics at Mount Sinai **07/2021 – 08/2021**
Student Intern New York, NY

- Utilized Python Pandas with precision to manipulate data effectively
- Employed Matplotlib to create a diverse range of informative data visualizations, such as box plots, volcano plots, and PCA plots, highlighting gene expression patterns in breast cancer tissue samples
- Led in-depth research on MMP11, a gene holding promising therapeutic implications in breast cancer treatment, resulting in a comprehensive understanding of its potential
- Demonstrated exceptional communication skills by effectively conveying research findings to colleagues, emphasizing MMP11's critical role in advancing breast cancer research and therapy

American Museum of Natural History **06/2020 – 06/2021**
Student Intern at Science Research Mentoring Program *New York, NY*

- Utilized R MicroweaR script for analyzing and classifying cut marks and tooth marks on archaeological bone images
- Developed a predictive model for bone cut marks and tooth marks
- Transformed intricate research findings into a captivating animation video, skillfully simplifying complex scientific concepts to ensure effective communication with diverse audiences

Skills

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

Frameworks: Express.js, MongoDB, Node.js, React.js

Soft Skills: Communication, Problem-Solving, Teamwork, Adaptability, Self-Awareness, Motivation