Yu Lin

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EDUCATION

Stony Brook University   Expected December 2024
Bachelor of Science in Information Systems

- **Relevant Coursework:** Object-Oriented Programming, Data Structure and Algorithms, Database Design, Programming Language

EXPERIENCES

Stony Brook Southampton Hospital   Jun. 2024 - Present
Data Analyst Intern   Stony Brook. NY

- Updated and maintained patient database using CPSI EHR and Soarian EDM systems.
- Cleaned large datasets using MS Power Query, built data pipelines on MS Fabric to transfer data to a lake storage, and leveraged Spark SQL for efficient querying and analysis.
- Utilized data analytics and visualization techniques in MS Power BI to develop dashboards and reports, aiding financial decision-making across 6+ hospital sub-departments, identifying areas of improvements and growth strategies to optimize healthcare quality and patient outcomes.

Stony Brook University's Computer Science Department   Jan. 2024 - May. 2024
Teaching Assistant   Stony Brook, NY

- Taught Python Programming to a diverse cohort of 200+ students weekly through instructional feedback and support.
- Coordinated and facilitated office hours and lab sessions on Wednesdays to groups of 30+ students.

PERSONAL PROJECTS

SBU Food Exploratory | *Python, Pandas, Matplotlib, Excel, Tableau*

- Scraped 250+ food items from university's dining website and utilized Python to identify convenient healthy eating options for students to meet nutritional goals on campus.
- Designed a data visualization dashboard to graphically present findings and guide informed dietary choices.

TECHNICAL SKILLS

Languages: Python, SQL, RProgramming JavaScript, HTML/CSS

Developer Tools & OS: macOS, Windows, PyCharm, Jupyter, RStudio, Power BI, Tableau, React, VSCode