JANICE LOK

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OBJECTIVE

Recent chemical engineering college graduate with strong communication skills, attention to detail, and ability to manage complex information. Looking to launch my career in software engineering, particularly in front-end development, through apprenticeship or internship opportunities.

PROJECTS

User Interface for Physical Therapy Clinic
NOWPAIN Clinic, Palisades Park, NJ   Mar 2024–Present

- Construct and stylize a user-friendly locally-hosted website using CSS, HTML, and JavaScript for clinic receptionists to update patient information and book appointments

Personal Website
New York, NY   Feb 2024–Mar 2024

- Built and styled a personal website to showcase professional strengths and coding projects
- Enhanced user experience using JavaScript and created website visuals using HTML and CSS

Simulation Application for Flow Control System
NYU Tandon, Brooklyn, NY   Apr 2023–May 2023

- Designed an application package, including both a user interface and block diagram, in MATLAB that rapidly and accurately simulated performance curves for an existing flow control system
- Tested and debugged through two case studies

EXPERIENCE

Operations Engineering Intern
ConEdison Clean Energy Businesses, Valhalla, NY   Jun 2022–Dec 2022

- Analyzed data for largest company solar asset using MS Excel and PI Tuning Tools to meet data management needs of Performance Analytics, Engineering, and Operations customers
- Managed workflow in Agile methodology environment, including collaboration with IT to push updated data compression standards to TEST/PROD, reducing daily archive size of PI data historian by 11%
- Automated data compression analysis of sets of 100 PI tags; replicated swinging door algorithm in Python, improving analysis efficiency while maintaining accuracy
- Delivered formal group presentation on business topic to panel of 5+ company leaders, including CEO

Undergraduate Research Assistant
Modestino Laboratory at NYU Tandon, Brooklyn, NY   Aug 2021–May 2022

- Assisted in development efforts to optimize an autonomous chemical process
- Collected data from real-time simulations of chemical reaction progress; aggregated and analyzed data through chemical analytical methods that identified different chemical components within a test sample
- Presented experimental results to research faculty and peers using data visualization

SKILLS

- Python, JavaScript, HTML, CSS, SQL, React.js, Git | MS Office | Engineering programs/technologies
- Analytical thinking, problem-solving, communication and presentation, collaboration, time management
- Intermediate Cantonese, beginner Korean

EDUCATION

B.S. Chemical & Biomolecular Engineering, May 2023
New York University Tandon School of Engineering, Brooklyn, NY