Janson Ho

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Professional Summary

Capable and motivated professional with valuable skillsets in project management, problem solving, and data manipulation. Worked in a cross-functional team setting to develop and execute long-term corporate strategies for manufacturing improvements and risk reduction. Accustomed to working in fast-paced working environments with strong drive for optimization and progress to projects and programs. Seeking new opportunity in leveraging my experience in project management and technical skills in data manipulation and statistical analysis within the technology industry.

Technical Skills and Proficiencies

- **Programming:** Python, Java, C, HTML.
- **Statistical Software:** JMP, Spotfire.
- **Other:** MS Office, Seeq, PI Vision, SIMCA, Pipeline Pilot.
- Proficiency in project management and data manipulation.

Selected Projects

Philadelphia Parking Violation Data Interface **2020**

- Technologies: Java, JSON
- Application that parses and analyzes datasets from OpenDataPhilly regarding parking violations.

Professional Experience

MERCK & CO. WEST POINT, PA

Specialist, Engineering – Global Technical Operations, Data Analytics **Apr 2021 – Present**

- Participated in user acceptance testing for implementation of new software, writing and executing test cases of applications of the new tools.
- Supported several production optimization investigations through data mining efforts across several different software systems, including writing SQL queries to gather datasets from the internal relational database.
- Created Python scripts to automate data mining out of databases and generate monthly run chart reports.
- Performed statistical analysis and generated regression models and plots with Python in Jupyter notebooks and JMP.

Specialist, Engineering – Global Technical Operations, Vaccine Fermentation **Apr 2020 – Apr 2021**

- Led large scale project transitioning vaccine cell banks across the company network to improved storage condition to better preserve biologic viability for long-term production capabilities.
- Worked closely with executive, regulatory, supply chain, and quality teams to define scope of the project, develop long-term strategy for vaccine franchise cell bank consumption, and schedule for deliverables.
- Oversaw multiple teams in laboratory operations and engineering to execute experimental studies and freezer qualifications in support of the overarching project.
- Maintained constant communication between multiple internal storage sites as well as external storage partners to align on transfer strategies and ensure successful execution.
- Informed stakeholders of project delays and resource constraints resulting from supply shortages and personnel changes during the coronavirus pandemic. Communicated project updates and strategic decisions to executive leadership and stakeholders on a regular basis.

Associate Scientist – Vaccine Process Development **Jul 2018 – Apr 2020**

- Designed experiments characterizing performance of membrane anion exchange chromatography for virus purification as a function of loading capacity, flowrate, flow distribution, and buffer conditions.
- Generated data identifying essential parameters in retaining equivalent performance between 2L bench model and 2000L commercial scale process.
- Conducted scale down experiments to develop a high throughput purification process for use as an upstream screening analytical tool to identify failure points in DoE range finding studies.
- Performed operation of other unit steps in vaccine purification space, including depth filtration, tangential flow filtration, and resin column packing and processing.
- Gained extensive experience in operation and maintenance of flow cytometer in applications of particle counting by size.

Education

UNIVERSITY OF PENNSYLVANIA PHILADELPHIA, PA

Master of Computer and Information Technology (MCIT) **Sep 2020 – Present**

- **Relevant coursework**: Data Structures and Software Design, Algorithms, Introduction to Computer Systems

UNIVERSITY OF ROCHESTER ROCHESTER, NY

Bachelor of Science in Chemical Engineering **August 2014 – May 2018**

- Minors in Biomedical Engineering and Materials Science.
- **Relevant coursework**: Numerical Methods and Statistics, Web Design and Development, Interactive Music Programming