

Kevin Hernandez
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EDUCATION

San Jose State University

May 2018

B.S. Chemical Engineering concentrating in Biochemical Engineering

SKILLS

Technical: Python, SQL, OPC Integration, Gasworks, Dasware Control, Biocommand, AMBR 250 Systems, JMP, VBA, Matlab, Git, Camunda Modeling

RELEVANT EXPERIENCE

Bioprocess Engineer II, Finless Foods

Dec 2022 – Apr 2023

- Collaborate with other members in the bioprocess group in the development and implementation of robust and scalable bioprocesses for pilot production of animal cell culture and technology transfer for GMP manufacturing
- Evaluate and implement new engineering technologies/systems for continual process improvement.
- Develop data capture/processing tools to process data outputs from different bench scale reactors and offline analyzers using python and JMP.

Sr. Process Engineer, Demetrix Inc.

Nov 2021 – Sept 2022

- Develop new and improve existing fermentation workflows and bioprocesses to test relevant experiment criteria.
- Contribute to experimental design and execute bench-scale fermentations with the overall objective of bioprocess development, informing next rounds of process engineering, and/or guiding process improvements
- Analyze bench-scale fermentation data using data analysis tools (e.g., JMP, LIMS, etc.)
- Create data analysis tools using SQL, JMP, and Python for analysis of fermentation data
- Lead internal continuous improvement projects and perform root cause analysis.
- Improvement and additions of data capture systems for fermentation
- Work closely with downstream processing scientists and engineers to develop a robust manufacturing process that can be executed at-scale.
- Work closely with EH&S on safety related issues across multiple labs and buildings in the company.

RAI/II | Associate Manufacturing Engineer, Zymergen

Sept. 2018 – Sept. 2021

- Collaborated with multiple departments to ensure fermentation runs were carried out successfully.
- Managed fermentation projects including process recipe scripting, building out data structures on LIMS database, creating data processing tools.
- Created web-based tools using python for automating labor-intensive processes such as preliminary run/sample data extraction, fermentation run reporting, run metrics summarization.
- Worked with team to help manage and migrate tools across different database platforms (MySQL to Snowflake) and begin to retire the use of excel sheets in workflow
- Collaborated with other departments to build out python tool to control our Dasware control system which allowed to have a direct link to any information uploaded into any database
- Successful fermentation project process onboarding and tech transfer
- Successfully carried out multiple fermentation processes on various fungus and bacteria with highattention to detail