

Khanh Phan

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EDUCATION

University of California, San Diego

M.S. Data Science	Mar 2026
B.S. Biochemistry and Cell Biology	Jun 2019
Data Science and Visualization Certification	May 2023

EXPERIENCE

Biochemist II | Revvity

Jun 2023 – May 2024

- Consistently exceeded quarterly KPIs by 13-18% through continuous improvement initiatives, data analysis on historical production trends using Excel pivot charts, resolving yield issues, and improving team output
- Introduced material tracking systems through developing a consumption database along with using Kaizen techniques, reducing workflow inefficiencies by 20% (reflected in KPI) and improving operational output
- Rewrote and standardized 15+ process protocols and batch records, achieving a 100% compliance rate with GMP standards for Bacteria team
- Generated actionable insights for quality control by analyzing protein samples through SDS-PAGE and endotoxin assays, improving historical yields and reducing up to a full day of production
- Developed lyophilization assays and developed GMP techniques for scaling production yield on key proteins

Production Chemist | QuidelOrtho

Feb 2020 - Mar 2023

- Monitored product trends by extracting SQL queried data into a JMP database for visualizations, identifying process inefficiencies and reducing wasted lots' cost by 15%
- Analyzed reagent performance using HPLC, UV-Vis, and fluorometry, contributing to the development and revision of protocols to simplify data entry and improve workflow efficiency through ease of analysis
- Delivered comprehensive data reports on reagent trends, working with management to implement preventative measures, address emerging issues proactively, and foster a culture of effective troubleshooting
- Implemented Lean Six Sigma and Kaizen practices, streamlining workflows to reduce production delays by over 20% and increase throughput by 10% across two quarters, successfully resolving backorders
- Received Performance Excellence Award for leading a winning cross-functional Kaizen team that was nominated and selected for global presentation.

Data Entry Intern | San Diego Fertility Center

Oct 2019 - Dec 2019

- Audited and transferred 500+ patient records from SART databases to export to CDC systems ensuring compliance with regulatory standards
- Conducted quality checks on 200+ patient records, reporting and resolving discrepancies within a 2-day turnaround time
- Presented data-driven insights during weekly reporting meetings, contributing to an improvement in operational efficiency during transition period
- Shadowed Endocrinology lab workflows, gaining compliance insights and contributing to error reduction

SKILLS

Technical

- Data Analysis
- Database Management
- Assay Design
- ETL Processes
- Data Visualization

Tools & Platforms

- Python
- SQL
- R
- Microsoft Office
- Tableau/JMP

Soft

- Cross-Functional Collaboration
- Report Writing
- New Employee Training
- Problem-Solving
- Strategic Planning