Yumary Vasquez

Summary Statement

Detail-oriented scientist with a strong track record managing interdisciplinary genomics projects, coordinating cross-functional teams, and delivering data-driven insights. Experienced in overseeing project lifecycles from experimental design through execution and reporting. Adept at stakeholder communication, vendor coordination, protocol development, and operational troubleshooting in fast-paced research environments. Passionate about improving public health through scalable solutions.

Professional Skills

- Project & Program Coordination – Scientific project planning, timeline management, cross-functional collaboration
- Communication & Reporting – Regular presentations, stakeholder updates, internal reporting, protocol writing
- Data Operations – Metrics tracking, data interpretation, dashboard creation (Python/R)
- Stakeholder Management – Experience collaborating with vendors, PIs, and institutional partners
- Tools & Platforms – Linux, basic knowledge of Statements of Works and project budgeting
- Domain Knowledge – Microbial ecology, genomics, environmental monitoring

Professional Work Experience

Postdoctoral Researcher / Joint Genome Institute, Lawrence Berkeley National Lab
Berkeley, California Aug 2023 - Current

- Led cross-departmental research projects involving sequencing, high-performance computing, and microbial genomics.
- Oversaw project timelines and deliverables for multiple stakeholders, including bioinformaticians, data scientists, and wet lab teams.
- Presented updates in group meetings and adapted project workflows in response to shifting priorities and results.
- Initiated and managed the drafting of a collaborative manuscript, aligning inputs across teams.

Graduate Student Researcher / University of California, Merced
Merced, California Mar 2019 - Aug 2023

- Independently managed long-term projects involving genome sequencing, experimental microbiology, and computational biology.
- Coordinated sample collection, laboratory workflows, and bioinformatic pipelines to meet scientific objectives and deadlines.
- Developed protocols for laboratory and computational experiments, and iteratively refined them to improve reliability and efficiency.
- Mentored junior lab members and facilitated smooth collaboration between wet lab and data analysis personnel.

Other Work Experience

Joint Genome Institute-UC Merced Intern / Joint Genome Institute, Lawrence Berkeley National Lab
Berkeley, California Jun 2022 - Aug 2022

- Managed data acquisition and computational workflows for a high-throughput genome analysis project.
- Created detailed progress reports and visualizations for internal and external collaborators.
- Troubleshooting pipeline bottlenecks and improved turnaround times by streamlining HPC queue usage.

Education

PhD, Quantitative and Systems Biology, 4.0 GPA
University of California, Merced **Aug 2023**