MICHAEL ANDERSON

COMPUTATIONAL BIOLOGIST

MA

CONTACT

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📍 San Francisco, CA

SKILLS

- Molecular Dynamics
- Structural Biology
- Python
- R
- Bioinformatics Tools
- Statistical Analysis

LANGUAGES

- English
- Spanish
- French

EDUCATION

MASTER'S IN BIOINFORMATICS, UNIVERSITY OF CALIFORNIA, SAN DIEGO

ACHIEVEMENTS

- Contributed to a research publication that received the 'Best Paper' award at a major conference.
- Developed a widely-used software tool for protein structure analysis.
- Secured a competitive internship grant based on project proposal.

PROFILE

I am a computational biologist with a strong foundation in structural biology and computational modeling. With over 5 years of experience in academic and industry settings, I possess a deep understanding of protein structure prediction and molecular dynamics simulations. My work has focused on the development of software tools that facilitate the analysis of large structural datasets, helping to advance the understanding of protein interactions.

EXPERIENCE

COMPUTATIONAL BIOLOGIST

Amgen

2016 - Present

- Performed molecular dynamics simulations to study drug-protein interactions.
- Developed software tools for structural alignment of protein complexes.
- Collaborated with chemists to optimize lead compounds based on structural data.
- Analyzed high-throughput screening data to identify potential drug candidates.
- Presented findings at internal meetings, facilitating cross-departmental collaboration.
- Trained interns in computational techniques and best practices.

RESEARCH ASSISTANT

UCSD

2014 - 2016

- Assisted in the development of a computational pipeline for protein structure prediction.
- Conducted statistical analyses on simulation results to validate models.
- Collaborated on a project that resulted in a publication in a leading journal.
- Prepared presentations for departmental seminars to communicate research progress.
- Worked with experimental teams to interpret structural data.
- Maintained detailed documentation of research methodologies and findings.