MICHAEL ANDERSON

Computational Neuroscientist

CONTACT

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- San Francisco, CA

EDUCATION

PhD in Physics

University of Washington

2014

SKILLS

- Computational Neuroscience
- Neural Modeling
- Data Analysis
- Programming
- Team Collaboration
- Mentorship

LANGUAGES

- English
- Spanish
- French

I am an accomplished Computational Physicist with a focus on computational neuroscience and brain modeling. With over 6 years of experience in this interdisciplinary field, I possess a PhD in Physics with a specialization in computational techniques for neuroscience applications. My research has involved developing models that simulate neural networks and brain activity, contributing to the understanding of cognitive processes.

WORK EXPERIENCE

Computational Neuroscientist   2020-2023

NeuroInnovations Lab

- Developed models for simulating neural dynamics, enhancing understanding of cognitive functions.
- Collaborated with biologists to validate computational predictions through experimental data.
- Published 5 papers in neuroscience journals, contributing to interdisciplinary knowledge.
- Conducted workshops for students on computational methods in neuroscience.
- Led a project team focused on brain-computer interface research.
- Managed data analysis for large-scale neural datasets, improving research efficiency.

Research Scientist   2019-2020

Brain Research Institute

- Utilized computational techniques to analyze brain imaging data.
- Collaborated with neuroscientists to develop hypotheses based on model results.
- Published findings in peer-reviewed journals, increasing visibility in the field.
- Participated in interdisciplinary workshops to share knowledge with peers.
- Secured funding for research projects focused on neural modeling.
- Mentored undergraduates in computational techniques, fostering their interest in neuroscience.

ACHIEVEMENTS

- Contributed to a groundbreaking study on neural networks recognized in major journals.
- Secured $200,000 in funding for research on brain-computer interfaces.
- Presented research findings at national neuroscience conferences, gaining attention from peers.