

Date: April 2024

Title: Research Assistant

Department: Physical Medicine and Rehabilitation, Biomedical Engineering

School: CWRU School of Medicine

Location: Remote with occasional in person meetings (MetroHealth Old Brooklyn Campus)

Supervisor Name and Title: David Cunningham, Staff Scientist, Assistant Professor

STATEMENT OF RESEARCH

Research assistant position at the is available at the MetroHealth Center for Rehabilitation Research and Case Western Reserve University in Cleveland, Ohio. This position is hiring to work on the software development of a data analysis toolbox for the use with electromyography type data. This position will re-develop the software based on the existing framework of our beta-version (developed in MATLAB App Designer) of the toolbox to improve program stability, flexibility and user experience to develop easier data sharing, aggregation, and analysis pipelines. Additionally, the position will develop detailed instructions to facilitate the integration of the toolbox into laboratories' past, ongoing and future projects.

For all current lab related activities please refer to: CunninghamLab.com

Qualifications

- Proficiency in software development and programming languages such as Python, MATLAB, or similar. MATLAB App Designer experience preferred.
- Strong problem-solving skills and attention to detail.
- Excellent communication and teamwork abilities.
- Prior experience in data analysis and signal processing is a plus.

EDUCATION REQUIREMENTS

Preferred qualifications include a BSc in Computer Science and/or Software Engineering. Will consider junior and senior computer science majors; however, graduate students preferred.

WORKING CONDITIONS

This position is available for both summer and school year hours, providing flexibility to accommodate academic schedules. Much of the work can be performed remotely but will require occasional in person meetings.

DIVERSITY STATEMENT

In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

APPLICATION

To apply please send inquiries containing a cover letter and CV to Dr. David Cunningham at Dxc536@case.edu.