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**Biomechanics | Kinesiology | Exercise Physiology | Clinical Research**

The human body is an exceptional orchestrated organism that we still do not fully understand. I am looking for an opportunity to continue to both expand my knowledge and possibly make new discoveries of its capabilities in the fields of Exercise Physiology and Kinesiology.

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- A solid foundation in biomechanics, electronics, kinesiology, and exercise physiology; including work in the UTD Nanofabrication Lab
- Proven skills in utilizing SPSS, Office, and programming languages
- Proficient in sample and data collection, analysis and reporting;
- Member of the ACSM, American Society of Biomechanics, Isokinetic International, and the Clinical Exercise Physiologist Association, and a BIODEX Advanced User Certification.

**EXPERIENCE**

***Innsbruck University***

*Visiting Scholar, 06/2017 to 08/2017*

Attended and worked in seminar to perform Principle Component Analysis on Professional Golfers.

***University of Texas Tyler, Tyler TX***

*Adjunct Professor, 08/2015 to current*

Adjunct Professor in the Health and Kinesiology Department teaching Neuromotor control course.

***Texas Woman's University, Denton TX***

*Graduate Assistant in the PhD Biomechanics Program, 08/2014 to current*

Lab Instructor for the Biology Department for labs such as Anatomy and Physiology I and II and Advanced Mammalian Physiology courses.

***Institute for Exercise and Environmental medicine, Dallas, TX***

*Research Institute*

**Research Assistant, 7/13 to 6/14**

Part of a research team investigating Alzheimer's' disease and the effect of exercise training on cerebrovascular studies.

***Key Accomplishments:***

- Assisted in all aspects of research in RO1 grant research; from recruitment, consenting process, and testing process.
- Created and maintained database and program to track over 1200 participants

***Productive Rehabilitation Institute of Dallas, Dallas, TX***

*Rehabilitation clinic for treatment of musculoskeletal conditions*

**Exercise Physiologist, 4/10 to 6/13**

Testing and analysis of exercises and rehabilitation processes for chronic/acute injury patients – Musculoskeletal rehabilitation processes and program development. Use tools and methods including Biodex, Isokinetic functional restoration techniques.

***Key Accomplishments:***

- Developed and implemented research projects with Biodex equipment
- Achieved optimal functional and strength gains for chronic and acute injury patients.
- Developed and implemented new exercises and rehabilitation techniques for injury patients.
- Create and implement new education classes such as nutrition, stress management, and breathing techniques.
- Completed functional capacity evaluations and reports on chronic and acute injury patients.
- Maintained and repaired all PT, OT, and Biodex equipment and software.

**More experience available upon request.**

**EDUCATION**

Texas Woman's University

**PhD in Biomechanics, currently attending.**

UT Tyler, Tyler, TX

**MS in Exercise Physiology/Kinesiology, graduation date of 08/2013**

UT Dallas, Richardson, TX

**BS in Audiology, graduation date of 05/2005**

**Scholarly works in progress**

**Anterior Pelvic Tilt: Is it the root of back pain. (TWU ongoing)**

**The differences in hip kinetics and kinematics using rollators. (TWU ongoing)**