

Brittany Garrison

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9290 Sand Trap Court, Park City, UT 84098

SKILLS/QUALIFICATIONS:

- Skilled in data analysis, laboratory equipment, data acquisition and analysis software, including capabilities in MATLAB, OrCad and Microsoft Office.
- Effective leadership and communication skills, building and leading teams.
- Proficient in conversational Spanish.
- Excellent organizational skills, strong work ethic and attention to detail.

EDUCATION

UNIVERSITY OF ROCHESTER, Rochester NY

M.S. in Biomedical Engineering: Center for Medical Technology and Innovation (CMTI) *Anticipated May 2017*

B.S. in Biomedical Engineering with Concentration in Biomechanics *May 2016*

- Varsity Lacrosse Team, Fall 2012- Fall 2014
- Varsity Student Athletic Advisory Committee (VSAAC), Spring 2013-Fall 2014
- Member of Kappa Delta Sorority, Spring 2013-Present
- Member of Biomedical Engineering Society, 2014-May 2016
- Member of Biomedical Engineering Mentors, Fall 2015-May 2016

WORK EXPERIENCE

University of Rochester Department of Biomedical Engineering *January 2016 – May 2016*

Teaching Assistant, Biomaterials Class

Role includes grading homework assignments and examinations, and providing tutorial support for students.

ReviewNet Corporation, Park City

May 2015 - August 2015

Question Author/Tech Writer

Researched and wrote equivalent GRE questions and constructed qualitative test questions for WizardHunt.net, a practice test website.

Research Assistant at University of Rochester Medical School

April 2014 - May 2015

Center for Musculoskeletal Research, *Zuscik & Loisel Labs*

Evaluation of chondroprotective potential of oral collagen peptides in murine posttraumatic osteoarthritis using techniques such as nociceptive pain testing and both surgical and non-invasive methods to induce OA in mice. Performed biomedical testing on flexor tendons and mouse hind paws to determine the effect of disrupted homeostasis due to type II diabetes on tendon injury.

ReviewNet Corporation, Jenkintown, PA

May 2013 – August 2013

Marketing Data Capture and Review

Global Volunteers Organization

Service trip to Cebedilla, Monteverde Costa Rica

June 2011

ACADEMIC EXPERIENCE

Key Engineering Courses and Labs: Intro to Biomedical Engineering, Biomechanics, Linear Circuits, Solid Mechanics and Systems and Signals, Biology and Chemistry, Biomedical Engineering Design Seminar, Quantitative Physiology, Biosolid Mechanics, and Senior Design Project including:

- Study the effect of knee braces on the biomechanics of the knee and knee injury.
- Development of a MATLAB program to analyze different conditions for Presbycusis.
- Design of a circuit attuned with a sensor to indirectly measure the ratio of oxygenated blood to deoxygenated blood from the surface of the skin.
- Worked with TouchStream Solutions company to analyze and improve current medication unit used in an at-home medication monitoring system to ensure medication compliance.