

Karlee N Burns, MS, LAT, ATC

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EDUCATION

- Temple University** Philadelphia, PA May 2022 (Expected)
Doctor of Philosophy, Kinesiology option Athletic Training
- California State University, Long Beach** Long Beach, CA May 2017
Master of Science, Kinesiology option Sports Medicine and Injury Studies
Thesis Topic: Impact of Cognitive Tasks on Gait Parameters in Collegiate Athletes
- California State University, Long Beach** Long Beach, CA December 2015
Bachelor of Science, Kinesiology option Athletic Training
Magna Cum Laude
- Butte Community College** Oroville, CA July 2013
Associate of Arts University Studies: Social Science with Honors May, 2013
Associate of Arts Social and Behavioral Science with Honors July, 2013
Associate of Arts Physical Education: Exercise Physiology with Honors July, 2013
Certificate in Small Business Institute December, 2017

PROFESSIONAL EXPERIENCE

- Research Assistant/Project Coordinator for NCAA and DoD Concussion Assessment, Research, and Education (CARE) Consortium** August 2018 – Present
Temple University, Philadelphia, PA
- Teaching Assistant**, Department of Kinesiology, Temple University, Philadelphia, PA January 2020 – Present
Curriculum Experience:
KN 1444: Movement Injuries: Prevention and Care, Spring 2020
- Adjunct Faculty**, Department of Kinesiology, California State University, Long Beach, Long Beach, CA August 2017 – May 2018
Curriculum Experience:
ATEP 490A: Clinical Education in Athletic Training, Spring 2018
ATEP 490C: Clinical Education in Athletic Training, Spring 2018
KIN 302: Structural Kinesiology, Fall 2017
ATEP 491: Seminar in Athletic Training, Fall 2017
- Graduate Assistant**, Department of Kinesiology, Athletic Training Program August 2016 – May 2017
California State University, Long Beach, Long Beach, CA.
- Research Assistant**, Center for Sport Training and Research (STAR) August 2015 – May 2018
California State University, Long Beach, Long Beach, CA.

CLINICAL EXPERIENCE

- California State University, Long Beach – Assistant Athletic Trainer** September 2017 – May 2018
Worked with the men's and women's NCAA Division I track and field teams on a daily basis. Daily responsibilities included providing injury evaluation, treatment, and acute care, assisting in supervision of athletic training students in the athletic training room and at a practice or competition facility, and keeping and maintaining medical records for each athlete.
- California State University, Long Beach Foundation – Athletic Trainer** July 2017 – August 2017
Provided athletic training and first aid services to youth campers at day camps sponsored by the CSULB Foundation and Athletics Department.

FIRST Robotics Competition – Athletic Trainer March 2017
Provided onsite medical coverage for over 1500 high school students competing in the LA Regional of the FIRST Robotics Competition.

California State University, Long Beach – Athletic Trainer March 2016 – September 2016
Covered events both onsite and those involving travel for the NCAA Division I athletics teams providing athletic training services for both CSU, Long Beach and visiting school athletes. Also covered youth camps that were held on campus.

West Coast Sports Medicine Foundation Team to Win – Athletic Trainer January 2016 – March 2016
Worked in a clinical setting with local high school, collegiate, and club sport athletes doing outpatient rehabilitation programs for both acute and chronic injuries ranging from minor sprains and strains to post-surgical cases.

California State University, Long Beach Men’s Basketball – Athletic Training Student Dec. 2014 – January 2016
Fulfilled all responsibilities of an athletic training student while working primarily with the NCAA Division 1 men’s basketball team. Assisted in the main athletic training room with intercollegiate student-athletes from other sports and covered other NCAA events as needed.

Court’s Corner LA Sports Medicine Internship May 2015 – September 2015
Worked alongside other health care professionals providing first aid and sports medicine care to amateur and professional athletes in premier sporting events in the greater Los Angeles area. Events included the Drew League, Ball Up Million Dollar Summer Challenge, Venice Basketball League, Nike Real Run College League, and B2G Elite Football.

Special Olympics World Games July 2015 – August 2015
Volunteered as part of the medical staff for the Special Olympic World Games. Stationed at both the field of play site and at the competition site over a two-week period during the event. Provided medical services including injury evaluation and first aid to international Special Olympics athletes.

Long Beach Polytechnic High School – Athletic Training Student October 2013 – December 2014
Worked with thirty plus sports on campus, from freshman to varsity teams, fulfilling the duties of an athletic training student. Spent majority of time with the freshman, junior varsity, and varsity football teams, the boys’ and girls’ basketball teams, and varsity baseball.

Butte Community College – Athletic Training Student August 2010 – June 2013
Completed three years as an athletic training student working with thirteen intercollegiate sports. Spent majority of time working with football and the men and women’s basketball teams.

SYMPOSIUM PRESENTATIONS

Burns KN & Nakajima MA. “Team Approach to Injury Prevention.” *California Athletic Trainers’ Association Annual Meeting and Symposium, Sacramento, CA.* (February, 2017).

PUBLICATIONS

In Review/Preparation

Burns KN, Langford TD, Tierney R, McDevitt, J. Influence of premorbid primary headache on vestibular and oculomotor baseline assessments in collegiate athletes. *Current Sports Medicine Reports.* (Submitted December, 2019).

Burns KN, Erb K, Langford TD, Tierney R, McDevitt J. Cognitive deficits due to pre-morbid headache in collegiate student-athletes at baseline testing. *Journal Undetermined.* (In Preparation).

Erb K, Burns KN, McDevitt J. Age-dependent effects of first exposure to concussion on cognitive outcome at baseline levels. *Journal Undetermined.* (In Preparation).

PUBLISHED REFEREED ABSTRACTS

7. **Burns KN, Wu WF, Nakajima MA.** Impact of Cognitive Tasks on Gait Parameters in Collegiate Athletes. *J Athl Train: Supplement. Rapid Fire Presentation. National Athletic Trainers’ Association 69th Clinical Symposia. New Orleans, LA.* (June 26-29, 2018).

6. **Burns KN**, Pierson MA, Wu WF, Nakajima MA. Comparison of Handheld and Humac Norm Dynamometry for Lower Extremity Muscle Strength Measurements. *Med Sci Sports Exerc.*,50:5 Supplement. Poster Presentation. American College of Sports Medicine Annual Meeting. Minneapolis, MN. (May 29 – June 2, 2018).
5. Pierson MA, **Burns KN**, Nakajima MA. An Evaluation of Star Excursion Balance Test in Identifying Athletes at Risk For Injury. *Med Sci Sports Exerc.*,50:5 Supplement. Poster Presentation. American College of Sports Medicine Annual Meeting. Minneapolis, MN. (May 29 – June 2, 2018).
4. **Burns KN**, Pierson MA, Roos KG, & Nakajima MA. Relationship Between Ankle Dorsiflexion Range of Motion and Dynamic Postural Control. *J Athl Train: Supplement. Rapid Fire Presentation. National Athletic Trainers' Association 68th Clinical Symposia, Houston, TX.* (June 26-29, 2017).
3. Nakajima MA, Roos KG, Pierson MA, **Burns KN**, & Wu WF. Nested Case-Control Study of Injury Risk Factors Among Youth Volleyball Players. *J Athl Train: Supplement. Rapid Fire Presentation. National Athletic Trainers' Association 68th Clinical Symposia, Houston, TX.* (June 26-29, 2017).
2. **Burns KN**, Wu WF, Vargas T, & Nakajima MA. Effects of Athletic Tape, Leukotape P, and Prophylactic Bracing During a Dynamic Postural Control Test. *Med Sci Sports Exerc.*, 49:5 Supplement. Poster Presentation. American College of Sports Medicine Annual Meeting, Denver, CO. (May 30 – June 3, 2017).
1. **Burns KN**, Pierson MA, Becker J, Wu WF, & Nakajima MA. Relationship Between Hip Strength, Range of Motion, and Lower Back Pain in Collegiate Women's Golfers. *Med Sci Sports Exerc.*, 48:5 Supplement. Poster Presentation. American College of Sports Medicine Annual Meeting. Boston, MA. (June, 2016).

UNPUBLISHED REFEREED ABSTRACTS

17. **Burns KN**, Tierney R, & McDevitt J. Influence of Premorbid Headache on Vestibular and Oculomotor Baseline Assessments in Collegiate Athletes. *Eastern Athletic Trainers' Association 72nd Conference. Mashantucket, Connecticut.* (January, 2020).
16. **Burns KN**, Thomson R, Langford TD, & Tierney R. No Change in Near Point Convergence Due to a Week of Preseason Football Practice. Poster Presentation. *Eastern Athletic Trainers' Association 71st Conference. King of Prussia, Pennsylvania.* (January, 2019).
15. **Burns KN**, Pierson MA, Wu WF, & Nakajima MA. Comparison of Handheld and Humac Norm Dynamometry for Lower Extremity Strength Measurements. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).
14. Chuang I, **Burns KN**, Wu WF, & Nakajima MA. Effects of Hip Musculature on Balance in Collegiate Athletes. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).
13. Wong N, **Burns KN**, Wu WF, & Nakajima MA. Lower Extremity Strength on Single Leg Hop Performance for Division I Collegiate Track and Field Athletes. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).
12. Kitabatake N, Chui K, **Burns KN**, Wu WF, & Nakajima MA. The Relationship Between Lower Extremity Strength and Overhead Squat. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).
11. Izumi A, Eckert, K, **Burns KN**, Wu WF, & Nakajima MA. Significance of the Quadriceps, Hamstrings, and Gluteus Maximus Strength for Ball Toss Distance. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).
10. Hardman B, Huynh A, Oscarson K, Berger C, Garalde A, **Burns KN**, Wu WF, Nakajima MA. Wright Balance ® Stance and Preferred Stance Center of Pressure Differences During Standing and Squats. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).

9. Berger C, Huynh A, Oscarson K, Harman B, Wong N, **Burns KN**, Nakajima MA, Teng H, Wu W. Stance Width and Vertical Jump Height: Do Anthropometric Constraints Influence Performance. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 36th Annual Meeting. Long Beach, CA.* (October, 2017).
8. **Burns KN**, Pierson MA, Roos KG, & Nakajima MA. Relationship Between Ankle Dorsiflexion Range of Motion and Dynamic Postural Control. Poster Presentation. *Far West Athletic Trainers' Association Annual Meeting and Clinical Symposium. Las Vegas, NV.* (April, 2017).
7. **Burns KN**, Wu WF, Vargas T, & Nakajima MA. Effects of Athletic Tape, Leukotape P, and Prophylactic Bracing During a Dynamic Postural Control Test. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 35th Annual Meeting. Newport Beach, CA.* (October, 2016).
6. Barreto C, **Burns KN**, Becker J, Wu WF, & Nakajima MA. Landing Error Scoring System and Hip Strength in Women's Collegiate Basketball Players. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 35th Annual Meeting. Newport Beach, CA.* (October, 2016).
5. Hardman B, **Burns KN**, Vargas T, Wu WF, & Nakajima MA. Relationship Between Dynamic Postural Control and Hip Strength in Collegiate Women's Basketball Players. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 35th Annual Meeting. Newport Beach, CA.* (October, 2016).
4. Hua A, **Burns KN**, Becker J, Nakajima MA, & Wu WF. Relationship Between Lower Extremity Strength and Club Head Velocity. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 35th Annual Meeting. Newport Beach, CA.* (October, 2016).
3. Almanza M, Hua A, **Burns KN**, Becker J, Wu WF, Vargas T, & Nakajima MA. Relationship Between Hip and Knee Strength and Single Leg Hop Performance in Women's Collegiate Basketball Athletes. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 35th Annual Meeting. Newport Beach, CA.* (October, 2016).
2. Ngoy L, Hua A, **Burns KN**, Wu WF, & Nakajima MA. Relationship Between Upper and Lower Extremity Range of Motion and Club Head Velocity. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 35th Annual Meeting. Newport Beach, CA.* (October, 2016).
1. **Burns KN**, Pierson MA, Becker J, Wu WF, & Nakajima MA. Relationship Between Hip Strength, Range of Motion and Low Back Pain in Collegiate Women's Golfers. Poster Presentation. *Southwest American College of Sports Medicine (SWACSM) 34th Annual Meeting Newport Beach, CA.* (October, 2015).

NON-REFEREED ABSTRACTS

1. **Burns KN**, Pierson MA, Wu W, & Nakajima MA. Relationship Between Hip Strength, Range of Motion, and Low Back Pain in Collegiate Women's Golfers. Poster Presentation. *CSULB Graduate Research Conference Inaugural Meeting. Long Beach, CA.* (November, 2016).

COMMITTEE MEMBER

Hardman B. Examining the Differential Cueing Strategies on Landing Mechanics. Master's Thesis. May, 2018.

INVITED SPEAKER FOR COMMUNITY ORGANIZATIONS

California State University, Long Beach Athletic Training Program. "Vestibular/Ocular Motor Screen." Long Beach, CA. March 3, 2019.

California State University, Long Beach Athletic Training Program 2018 Preceptor Workshop. "Recent Trends in Athletic Training: Therapeutic Modalities." Long Beach, CA. June 7, 2018.

Sideline Management Assessment Response Techniques (SMART) Workshop. Long Beach Memorial Family Medicine. Long Beach, CA. August 17, 2016.

PROFESSIONAL SERVICE

2019 Journal of Athletic Training Reviewer

- 2019 – 2020 National Athletic Trainers' Association Research and Education Foundation Student Writing Contest Reviewer
- 2019 – 2020 Eastern Athletic Trainers' Association Annual Meeting Research Committee Abstract Reviewer
- 2019 Writer for Sports Medicine Research Blog
- 2016 – 2018 Clinical Preceptor, Athletic Training Program, California State University, Long Beach

CERTIFICATIONS

BOC Certified Athletic Trainer #2000023128
 National Provider Identifier (NPI) #1407383375
 Pennsylvania Licensed Athletic Trainer RT007037
 CITI Training for Human Research
 Phlebotomy Certification
 Functional Movement Techniques RockBlades IASTM
 ImPACT Trained Athletic Trainer Certification
 American Heart Association BLS for Healthcare Providers
 American Heart Association Heartsaver First Aid

SYMPOSIUMS and CONVENTIONS

National

2020, Feb	CARE Cons.	Chicago, IL
2019, June	NATA	Las Vegas, NV
2019, Feb	CARE Cons.	Chicago, IL
2018, June	NATA	New Orleans, LA
2017, June	NATA	Houston, TX
2017, June	ACSM	Denver, CO
2016, June	ACSM	Boston, MA
2013, June	NATA	Las Vegas, NV
2012, June	NATA	St. Louis, MO

Regional, State

2020, January	EATA	Mashantucket, CT
2019, January	EATA	Valley Forge, PA
2018, April	FWATA	Las Vegas, NV
2017, October	SWACSM	Long Beach, CA
2017, April	FWATA	Las Vegas, NV
2017, January	CATA	Sacramento, CA
2016, October	SWACSM	Newport Beach, CA
2016, July	FWATA	Kona, HI
2015, October	SWACSM	Newport Beach, CA
2015, April	FWATA	San Diego, CA
2014, April	FWATA	Las Vegas, NV

HONORS and AWARDS

- 2017 Department of Kinesiology Sub disciplinary Award: Sports Medicine and Injury Studies. CSU, Long Beach
- 2017 4.0 Club. Department of Kinesiology. CSU, Long Beach
- 2016 Outstanding Achievement in the Athletic Training Option. Department of Kinesiology. CSU, Long Beach

PROFESSIONAL AFFILIATIONS

National Athletic Trainers' Association	2011 – present
Far West Athletic Trainers' Association	2011 – 2018
Eastern Athletic Trainers' Association	2018 – present
California Athletic Trainers' Association	2011 – 2018
Pennsylvania Athletic Trainers' Association	2018 – present
American College of Sports Medicine	2015 – 2018
Southwest Chapter of the American College of Sports Medicine	2015 – 2018
Sports Medicine Club at Butte Community College	2011-2013; served as President 2012-2013
Phi Theta Kappa Honor Society	2011 – present