

CV

Vazquez A

Assistant Professor

Department of Prosthetics and Orthotics, College of Health Sciences, Alabama State University

School of Kinesiology, College of Education, Auburn University

Author Note

Adan Vazquez

Correspondence concerning this CV should be addressed to Adan Vazquez, 1600 Forest Ave, Montgomery, AL 36106. Cell: 256-630-0614. Office: 332-229-8527 Email:

av.vazadan@gmail.com, avazquez@alasu.edu, azv0001@auburn.edu

Table of Contents

RESEARCH INTERESTS	3
PROFESSIONAL EDUCATION	3
ACADEMIC EMPLOYMENT EXPERIENCE	3
AUBURN UNIVERSITY, AUBURN, AL.....	3
ALABAMA STATE UNIVERSITY, MONTGOMERY, AL	4
AUBURN UNIVERSITY, AUBURN, AL.....	4
ACADEMIC INSTRUCTIONAL EXPERIENCE	4
AUBURN UNIVERSITY, AUBURN, AL.....	4
ALABAMA STATE UNIVERSITY, MONTGOMERY, AL	4
CLINICAL EMPLOYMENT EXPERIENCE	5
AWARDS	5
PROFESSIONAL BUSINESS DEVELOPMENT	5
EXTERNAL ACADEMIC CONTRIBUTION	5
GUEST PRESENTATIONS	5
GRADUATE RESEARCH ACTIVITIES	6
RESEARCH	7
PRESENT AND ACTIVE.....	7
PAST FUNDING	7
ABSTRACTS AND POSTER PRESENTATIONS	7
EDITORIAL SERVICE	8
BIBLIOGRAPHY	8
CONTRIBUTING AUTHOR - TEXTBOOK.....	8
PUBLICATIONS	8
MANUSCRIPTS IN PREPARATION.....	9
INSTITUTIONAL SERVICE	9
ALABAMA STATE UNIVERSITY, MONTGOMERY, AL	9
AUBURN UNIVERSITY, AUBURN, AL.....	9
REVIEWER SERVICE	9
PUBLIC SERVICE	10
MEMBERSHIP IN PROFESSIONAL SOCIETIES	10
PROFESSIONAL CERTIFICATIONS	10
STATE LICENSURES	10
NATIONAL ORGANIZATIONS	11
STATE ORGANIZATIONS	11
CERTIFICATIONS AND TRAINING	11

Research Interests

- Use of temperament assessments to increase student's self-awareness, raise their confidence level, and increase their communication skills
- Development and implementation of strategies for graduate student success across interdisciplinary courses
- Use of temperament assessments to better understand how amputees view themselves and others
- Upper and lower extremity prosthetic fittings, identifying and addressing challenges and trends in order to increase patient satisfaction, acceptance, and enhancing quality of life

Professional Education

- 2022 Auburn University, School of Kinesiology, Auburn, AL
 - Doctor of Philosophy (in progress) expected completion 2025
- 2012 Northwestern University Prosthetics and Orthotics Center, Feinberg School of Medicine, Chicago, IL
 - Post Bachelor's Certificate of Prosthetics
- 2010 Auburn University, Department of Kinesiology, Auburn, AL
 - Master of Education
 - Assistantship: Dr. Brett Stark DPM Graduate Award
 - Graduate Assistant
- 2009 Auburn University, Department of Kinesiology, Auburn, AL
 - Bachelor of Science in Education
 - Exercise Science
 - Research Proposal: Balance and Proprioception with Transfemoral Amputees using a C-Leg
- 2007 Northeast Alabama Community College, Rainsville, AL
 - Associate of Science Degree

Academic Employment Experience

Auburn University, Auburn, AL

- 2022-Present School of Kinesiology
 - Graduate Teaching Assistant
 - Graduate Research Assistant

Alabama State University, Montgomery, AL

2018 – Present

Department of Prosthetics and Orthotics

- Assistant Professor of Prosthetics and Orthotics

Auburn University, Auburn, AL

2010

Department of Kinesiology

- Graduate Teaching Assistant

Academic Instructional Experience

Auburn University, Auburn, AL

School of Kinesiology

- KINE 4970 – Introduction of Orthotics & Prosthetics
- KINE 3000 – Medical Terminology

Alabama State University, Montgomery, AL

Department of Prosthetics and Orthotics

Primary

- MPO 5220 - Lower Limb Prosthetics I
- MPO 5350 - Career Development in P&O
- MPO 6420 - Applied Research
- MPO 6430 - Lower Limb Prosthetics II
- MPO 6440 - Advanced P&O Technologies
- MPO 6520 - Upper Extremity Prosthetics
- HSC 5007 - Research in the Health Professions
- HSC 5099 - Capstone

Taught Previously or Co-teach

- MPO 5110 - Intro to Prosthetics & Orthotics
- MPO 5350 - Intro to Pediatric P&O
- MPO 5340 - Pathology in P&O
- MPO 5390 - Clinical Rotation III
- MPO 6530 - Practice Management and Administration in P&O

Interdisciplinary Courses (co-teach)

- HSC 5003 - Patient Care Concepts I
- HSC 5010 - Patient Care Concepts II

Physical Therapy Courses (quest lecturer)

- PTH 6433 - Intro to Prosthetics & Orthotics

Clinical Employment Experience

- 2015 – 2018 Fourroux Prosthetics, AL, TN, GA
- Director of Operations
- 2013 – 2014 Fourroux Prosthetics, AL
- Clinical Director
- 2011 – 2013 Fourroux Prosthetics, AL
- Intern/Prosthetics Resident
- 2010 Auburn Foot Care Center, Auburn, AL
- Medical Assistant/Graduate Assistant
- 2010 Foot Solutions, Opelika, AL
- Foot Biomechanics Specialist/Sales

Awards

- 2018 Vistage International, 5 Year Membership Award
- 2010 Dr. Brett Stark DPM Assistantship Award, Auburn University
- 2004 Hispanic Scholarship Fund

Professional Business Development

- 2013 – 2018 Vistage Worldwide, Huntsville, AL
- Key Executive Group, Founding Member for Huntsville, AL

External Academic Contribution

2021 – 2022 PhD Committee Member (Subject Matter Expert) for Oluwagbemiga Dadematthews MD. titled *“Quality of Life, Functional Performance, and User Satisfaction of Lower Limb Prosthesis Clients”* defended successfully on July 18, 2022, 9AM School of Kinesiology, Auburn, AL.

Guest Presentations

- Vazquez, Adan and staff. Prosthetics 4 Hour CEU Course Presentation, Vanderbilt Health, Nashville, TN. 2017 Slide presentation.

- Vazquez, Adan, and staff. Prosthetics 4 Hour CEU Course Presentation, Encompass Health Rehabilitation (Healthsouth), Montgomery, AL. 2017 Slide presentation.
- Vazquez, Adan, and staff Prosthetics 4 Hour CEU Course Presentation, Healthsouth, Gadsden, AL. 2017 Slide presentation.
- Vazquez, Adan. Prosthetics 1 Hour Course Presentation, UAH Department of Kinesiology, Huntsville, AL. 2017 Verbal Presentation.
- Vazquez, Adan. Prosthetics 1 Hour Course Presentation, Calhoun Community College PTA Department, Tanner, AL. 2016 Slide presentation.
- Vazquez, Adan. Prosthetics 1 Hour Course Presentation, Northeast Alabama Community College, Rainsville, AL. 2016 Slide presentation.
- Vazquez, Adan. The Use of McQuaig as a Best Business Practice for Hiring 2015, OPGA Premier Plus Live Education Conference, Atlanta, GA, August 22-24, 2015. Slide presentation.
- Vazquez, Adan, and staff. Prosthetics 4 Hour CEU Course Presentation, Healthsouth, Huntsville, AL. 2015 Slide presentation.

Graduate Research Activities

Alabama State University, Montgomery, AL

- Research Advisor: Evaluating the Correlation Between Activation of the Rectus Femoris and Peak Knee Flexion Moment at Early Stance of an Able-bodied User in a Neuro Swing AFO: A One-shot Case Study. Fraebel A., Elliott H., Rufty III J., Vazquez A., Bretl., 2024
- Research Advisor: Exposure to Orthotics and Prosthetics in Undergraduate Kinesiology Students in the Southeastern United States. Wilbert J., Chang M., Vanderwerf D., Bretl S., Vazquez A., 2024
- Research Advisor: A Clinicians Perspective: Non-compliance During Cranial Remolding Orthosis Treatment. DelgadoLutrell S., Davidson K., Holthaus N., Vazquez A., Bretl S. 2024
- Research Advisor: The Feasibility of Fabricating a Weight-Bearing Direct Socket System Platform. Gerard N., Tillman K., Vazquez A., 2023
- Research Advisor: The Feasibility of Dilatancy Casting in a Clinical Setting. Little J, Branche C. Vazquez A., 2022
- Research Advisor: The Use of Capacitive Sensors to Determine Sensor Migration in a Myoelectric Device. Ramos R, Shealey H, Stepp M, Tyson J., Vazquez A., 2021
- Research Advisor: Virtual Reality Intervention for Upper Extremity Transradial Amputations to Test for Myoelectric Prosthesis Use. Strickland A, Chidester R, Fontenot R., Vazquez A., 2020

Research

Present and Active

- Roper, J (PI), Zabala, ME (Co-I), Sefton, J (Co-I), Crumbley, D (Co-I), Dearth, C (Site Co-I), Hendershot, B (Site I), **Vazquez, A** (Consultant), Shannon, D (I), “An Evidence-Based Approach to Optimizing Selection of Below-the-Knee Prosthetic Prescription,” US Army Medical Research Acquisition Activity (USAMRAA), \$270K

Past Funding

- The 2017 Orthotic and Prosthetic Education and Research Foundation, Inc. (OPERF) Small Grant Program was awarded to Dr. Shannon Mathis, PI, Dr. Ryan Conners, Co-I, and **Adan Vazquez**, Prosthetist- Fourroux Prosthetics, to support an investigation titled: “Feasibility of Underwater Treadmill Training to Improve Mobility and Disability in Unilateral, Transtibial Amputees.” \$25K

Abstracts and Poster Presentations

- Wilbert, J, **Vazquez A.**, An Invitation to Experience the Intersection of Healthcare and Technology: Building Awareness of Prosthetics and Orthotics. National Association for Kinesiology in Higher Education Conference Phoenix, AZ. January 2024.
- Gerard N, Tillman K., **Vazquez A.**, The Feasibility of Fabricating a Weight-Bearing Direct Socket System Platform. Warrior Research Center Tactical Athlete Summit, Auburn, AL. 2023
- Gerard N., Tillman K., **Vazquez A.**, The Feasibility of Fabricating a Weight-Bearing Direct Socket System Platform. American Academy of Orthotists and Prosthetists 49th Annual Meeting, Nashville, TN. March 2023
- Little J, Branche C, **Vazquez A.** The Feasibility of Dilatancy Casting in a Clinical Setting. American Academy of Orthotists and Prosthetists 48th Annual Meeting, Atlanta, GA. March 2022.
- Ramos R, Shealey H, Stepp M, Tyson J, **Vazquez A.** The Use of Capacitive Sensors to Determine Sensor Migration in a Myoelectric Device. American Academy of Orthotists and Prosthetists 47th Annual Meeting, Virtual. 2021
- Strickland A, Chidester R, Fontenot R, **Vazquez A.** Virtual Reality Intervention for Upper Extremity Transradial Amputations to Test for Myoelectric Prosthesis Use. American Academy of Orthotists and Prosthetists 46th Annual Meeting, Chicago, IL. March 2020.
- Bretl S, **Vazquez A**, Tackling Test Anxiety: A Proposal for Meaningful Assessment and Organization in an Allied Health Program. National Society of Allied Health. Conference Cruise Cuba March 30 - April 4, 2019.
- Mathis, Shannon L., Conners, Ryan T., **Vazquez, Adan**, Walls, David E. Feasibility of Underwater Treadmill Training to Improve Mobility: A Case Study of a Transtibial

Amputee (2018). American College of Sports Medicine Annual Meeting, Minneapolis, MN. May 31, 2018. *Medicine and Science in Sports and Exercise*, 49(xx):xxx.

Editorial Service

2024 Gexin Publications. Editorial Board Member for Journal of Rehabilitation Practices and Research. ISSN: 2583-1593 <https://gexinonline.com>.

Bibliography

Contributing Author - Textbook

- Stapleton D., Bossie S., (Eds.). (2023). *Home Care for Older Adults Using Interprofessional Teams*. (1st. ed.). Springer Nature Switzerland AG.
 - Bretl S., **Vazquez A.**, Stapleton G., (Eds.). (2023). "Other Relevant Home Care Services: Prosthetics and Orthotics, Pharmacy Services, Durable Medical Equipment, and Nutritional Services (pp 131-153). Springer Nature Switzerland AG.

Publications

- Monaghan, P. G., Knight, A. D., Brinkerhoff, S. A., Harrison, K. D., Dearth, C. L., Hendershot, B. D., **Vazquez, A.**, ... & Roper, J. A. (2023). Characterization of initial ankle-foot prosthesis prescription patterns in US Service members following unilateral transtibial amputation. *Frontiers in rehabilitation sciences*, 4, 1235693.
- DadeMatthews, O. O., Roper, J. A., **Vazquez, A.**, Shannon, D. M., & Sefton, J. M. (2022). Prosthetic device and service satisfaction, quality of life, and functional performance in lower limb prosthesis clients. *Prosthetics and Orthotics International*, 10-1097.
- DadeMatthews, O., Roper, J., **Vazquez, A.**, Shannon, D., & Sefton, J. (2022, May). Quality of Life, Device Satisfaction, and Functional Status of Lower Limb Prostheses Clients. In *JOURNAL OF SPORT & EXERCISE PSYCHOLOGY* (Vol. 44, pp. S73-S73). 1607 N MARKET ST, PO BOX 5076, CHAMPAIGN, IL 61820-2200 USA: HUMAN KINETICS PUBL INC.
- Zabala, Michael E. PhD; Gupta, Raju BS; Dueitt, Madeline BS; Pasquerello, Nicholas BS; **Vazquez, Adan MEd, CP LP** A Component-Based Coordinate System for Static and Dynamic Evaluation of Standard Transtibial Prosthesis Alignment, *Journal of Prosthetics and Orthotics*: October 2020 - Volume 32 - Issue 4 - p 301-309 doi: 10.1097/JPO.0000000000000324
- Mathis, S. L., Conners, R. T., **Vazquez, A.**, & Walls, D. E. (2018). Feasibility of Underwater Treadmill Training to Improve Mobility: A Case Study of a Transtibial Amputee: 1877 Board# 138 May 31 2: 00 PM-3: 30 PM. *Medicine & Science in Sports & Exercise*, 50(5S), 449.

Manuscripts in Preparation

- Oluwagbemiga DadeMatthews, Jaimie Roper, Adan Vazquez, David Shannon, JoEllen M Sefton., Virtual Assessment of Functional Mobility in Lower Extremity Prosthesis Clients: A Pilot Study.
- Mathis SL, Anderson J, Conners R, **Vazquez A.** Underwater treadmill training for lower-limb amputees. In progress: *Journal of Prosthetics and Orthotics*.

Institutional Service

Alabama State University, Montgomery, AL

2020 – 2021	Technology Task Force Committee, University Level
2019 – 2020	Distance Education Committee, University Level
2019 – Present	Technology Committee, College Level <ul style="list-style-type: none">● Chair
2020 – Present	Student Development Committee, College Level
2019 – 2020	Research & Creative Activity Committee, College Level
2019 – Present	Graduate Interview Committee, Department Level
2018 – Present	Employee Interview Committee, Department Level

Auburn University, Auburn, AL

2009 – 2010	Physical Therapy Occupational Therapy Club <ul style="list-style-type: none">▪ Treasurer
2008 – 2009	Physical Therapy Occupational Therapy Club <ul style="list-style-type: none">▪ Member
2007 – 2008	Physical Therapy Special Interest Group <ul style="list-style-type: none">▪ Member
2009 – 2010	Auburn Latino Association of Students <ul style="list-style-type: none">▪ President

Reviewer Service

2023	NSF SBIR/STTR Panelist Reviewer
2023	ABC Diversity Scholarship Review Committee
2023	ABC Technician Scholarship Review Committee
2022	ABC Student Scholarship Review Committee
2022	OPERF Student Diversity Scholarship Review Committee
2019	OPERF Student Scholarship Review Committee

2021 Gait and Posture Manuscript Reviewer
2021 CDMRP Scientific Reviewer
2020 CDMRP Scientific Reviewer

Public Service

2022 – present RunningLane Track Club 501(c)(3), EIN: 88-2007294

- Founding board member Est. 2022
- Secretary Position

Membership in Professional Societies

- The American Academy of Orthotists and Prosthetists
 - CAD/CAM Society (AAOP)
 - Behavioral Sciences Society (AAOP)
 - Upper Limb Prosthetics Society (AAOP)
- Alabama Prosthetics and Orthotics Association
- Tennessee Society of Orthotics & Prosthetics
- Georgia Society of Orthotists and Prosthetists

Professional Certifications

2022 – Present Association of College and University Educators (ACUE) Certification

2012 – Present American Board for Certification in Orthotics, Prosthetics, and Pedorthics

- CP3999

2013 - 2014 The Board of Certification Accreditation International (BOC)

State Licensures

2011 - Present

- Alabama State Board of Prosthetists and Orthotists
 - #573 – Licensed Prosthetist

2013 - Present

- Tennessee Board of Podiatric Medical Examiners
 - PRO#191 – Licensed Prosthetist

2015 - Present

- Georgia State Board of Medical Examiners

- #79 – Licensed Prosthetist

National Organizations

- 2022 - Present The Orthotics and Prosthetics Foundation for Education and Research
- Education Committee Member
- 2019 – 2022 The Orthotics and Prosthetic Education and Research Foundation
- Education Committee Member

State Organizations

- 2019 – 2021 Alabama Prosthetics and Orthotics Association
- President Elect

Certifications and Training

- HiFi Transfemoral Lower Limb Interface
- iFIT Transtibial Socket Designs
- LiM Innovations Prosthetic Socket Designs
- Emotional Intelligence: Using Emotional Intelligence as a Leadership Tool
- Freedom Institute of Technology, Plie 3 MPC Knee Programming
- Freedom Institute of Technology, Kinnex MPC Ankle/Foot Systems Certification
- Ossur Academy Unity Sleeveless Vacuum Certificate
- Ossur Academy Rheo Knee 3 Certificate
- Blatchford Elan MPF Course
- Blatchford Carbon Feet Course
- Blatchford Hydraulic Ankle Feet Course
- Blatchford LiNX MPK/MPF Certification
- Ottobock Academy Certificate, Vacuum Fitting: The Harmony System
- Ottobock Academy Certificate, PAULA
- Ottobock Academy Certificate, Myobock
- Ottobock Academy Certificate, Dynamic Arm
- Ottobock Academy Certificate, Bebionic
- AOPA Online: Teaching Professionalism/Ethics during Residency