**CURRICULUM VITAE**

**JOSEPH W. KLAESNER, PhD**

**Date:** December 20, 2018

**Personal Information:**

 Sex Male

 Date of Birth 02/03/1965

 Place of Birth St. Louis, MO

**Citizenship:** USA

**Address and Telephone Numbers:**

 Business Campus Box 8502

 Office B116

 4444 Forest Park Avenue

 St. Louis, Missouri 63108

 Main: 314-286-1400

 Direct: 314-286-1436

 Facsimile: 314-286-1410

 E-mail: klaesnerjw@wustl.edu

 Home 12543 Trammell Court

 Creve Coeur, Missouri 63141

 Home: 314-275-8475

 Cell: 314-541-0264

**Present Position:** Professor

 Program in Physical Therapy (1999-present)

Department of Radiology (2006-present)

Washington University School of Medicine

 Professor

Department of Biomedical Engineering

Washington University

 2000-present

**Education:**

 Degree Institution Field Date(s)

Ph.D. **Vanderbilt University** Biomedical 1993-1995

 Nashville, Tennessee Engineering

 Dissertation Title: An optical method for measuring lung filtration coefficient.

 M.S. **Vanderbilt University** Biomedical 1991-1993

 Nashville, Tennessee Engineering

 B.S. **Marquette University** Biomedical 1983-1987

 Milwaukee, Wisconsin Engineering

 B.S. **Marquette University** Electrical 1983-1987

 Milwaukee, Wisconsin Engineering

**Academic Positions / Employment:**

 Position Institution/Facility Date(s)

Professor **Washington University School of Medicine** 2016-present

 Program in Physical Therapy

 St. Louis, Missouri

Associate Professor **Washington University School of Medicine** 2009-2016

 Program in Physical Therapy

 St. Louis, Missouri

Assistant Professor **Washington University School of Medicine** 1999-2009

 Program in Physical Therapy

 St. Louis, Missouri

 Assistant Professor **Washington University School of Medicine** 2000-present

 Department of Biomedical Engineering

 St. Louis, Missouri

 Assistant Professor **Washington University School of Medicine** 2006-present

 Department of Radiology

 St. Louis, Missouri

 Research Engineer **Washington University School of Medicine** 1998-1999

 Program in Physical Therapy

 St. Louis, Missouri

 Post-Doctoral Fellow **Saint Louis University School of Medicine** 1995-1998

 Department of Anesthesiology

 St. Louis, Missouri

 Pre-Doctoral Trainee **Vanderbilt University** 1992-1995

 Department of Biomedical Engineering

 Nashville, Tennessee

 Teaching Assistant **Vanderbilt University** 1991-1992, 1994

 Department of Biomedical Engineering

Nashville, Tennessee

 Senior Engineer **Avionics Laboratories** 1987-1991

McDonnell Douglas Aircraft Company

St. Louis, Missouri

**University and Hospital Appointments and Committees:**

 Web Development Committee

 Program in Physical Therapy

 1999-2014

 Research Advisory Committee

 Program in Physical Therapy

 2003-present

 Shared Laboratory Manager

 Movement Science Laboratory

 Program in Physical Therapy

 2004-present

 Hong Kong Polytechnic Institute Exchange Program

 Mentor to WU and HKPI BME Undergraduates

 2007-present

 Electronic Medical Record Committee

 Program in Physical Therapy

 2009-2018

 EWH/EWB Faculty Advisor (Engineering World Health/Engineering Without Borders)

 School of Engineering

 2009-present

 WUSM Network Advisory Group

 2010-present

 WUSM WIFI Replacement Committee

 2011-2013

 Program in Physical Therapy HIPAA Representative for WUSM

 2013-Present

 Shared IT Services Program Unit Representative Group

 2015-Present

 Research Track Representative to the WUSM Executive Committee of the Faculty Council

 2015-2018

**Honors and Awards:**

 Graduate Student Research Scholarship

 SPIE (International Society for Optics and Photonics)

 1994

 Academic Scholarship

 IBM Fellowship

 1991-1994

 Coulter College

 Undergraduate BME Design Conference Competition

 Faculty Advisor

 2013, 2014

 Top 30 Innovator in St. Louis

 Chosen for entrepreneurship and technical innovation

 Alive Magazine, February 2015

**Professional Societies and Organizations**:

 BMES, RESNA, Tau Beta Pi

 Consultative and Advisory Positions Held

 SBIR Grant Reviewer for NIDILRR 2005-present

 Reviewer for Scientific Journals: 2005-present

 Journal of Biomechanics

 Archives of Physical Medicine and Rehabilitation

 Neurorehabilitation & Neural Repair

 Annals of Biomedical Engineering

 IEEE Transactions on Biomedical Engineering

 Assistive Technology

 Medical Engineering & Physics

 Rehabilitation: Assistive Technology

 Chair of Rehabilitation Engineering, 2016-2018

 Professional Service Group, RESNA

 Vice-Chair of Rehabilitation Engineering, 2014-2016

 Professional Service Group, RESNA

 Continuing Education Attended

 Fast Track Entrepreneurship Program (2005)

 Kauffman Foundation Entrepreneur Retreat (2006)

 Georgia Tech TiGER Program (2011)

 Invited Speaker

 Lakeshore Foundation Transformation Exercise Course

 Birmingham, AL

 October 6-9, 2015

 RESNA Conference

 “Getting Hands-On with Microcontrollers”

 Denver, CO

 June 11, 2015

**Research Support:**

 Governmental

Co-Investigator (Washington University School of Medicine)

Translation of in-clinic gains to gains in performance

2017-2021 NICHD (R01 HD06829005 – Lang)

Co-Investigator (Washington University School of Medicine)

Dose-response of Movement Practice during Stroke Rehabilitation, $287,493

2012-2016 NICHD (R01 HD068290-04 - Lang)

Co-Principal Investigator (Washington University School of Medicine)

Pressure Based Step Counter for Rehabilitation, $1.25M

2006-2008/NIH SBIR Phase II grant (R43-HD063768)

Co-Principal Investigator (Washington University School of Medicine)

Pressure Based Step Counter for Rehabilitation, $100,000

2003/NIH SBIR Phase I grant (R43-HD063768)

Co-Principal Investigator (Washington University School of Medicine)

Multi-Sensory Shoe with Wireless Feedback, $100,000

2003/NIH SBIR Phase I grant (R43-HD044426)

Co-Investigator (Washington University School of Medicine)

Optimal off-loading therapy for healing diabetic ulcers

2001-2005/NIH (RO1-DK59224)

Co-Investigator (Washington University School of Medicine)

Visualizing diabetic feet to optimize orthotic fittings, $1.8M

1998-2007/NIH (RO1-HD38695)

Co-Investigator (Washington University School of Medicine)

In-Shoe Multisensory Data Acquisition and Analysis

1998-2001/NIH (RO1-HD36576)

 Post-Doctoral Fellow (Saint Louis University)

 Lung transport mechanisms

 Mentor: Thomas Dahms

 1996/NIH (HL-07050)

Co-Investigator (Vanderbilt University)

Measurement of Lung Transvascular Fluid Filtration with a Laser Diode System.

1994-1995/Vanderbilt University Research Council and NIH (HL 19153)

Co-Investigator (Vanderbilt University)

 National Research Service Award

 Training in Quantitative and Integrative Physiology

 1992-1994/NIH (5T32GM008452-02 to 04)

Co-Investigator (Vanderbilt University)

An Optical Measure of Lung Vascular Filtration

 1991-1992/NIH (R01 HL41129-01 to 03)

 Non-governmental

Co-Investigator

Craig H. Neilsen - Spinal Cord Injury Research on the Translational Spectrum (SCIRTS)

A Motor Learning Approach to Wheelchair Propulsion Training for Manual Wheelchair Users w SCI

07/31/2018-07/30/2020 (546808 – Morgan)

Principle Investigator

University of Missouri - Spinal Cord Injury/Disease Research Program

Application of the WMS for advanced Physical Training and Endurance Testing of Manual Wheelchair Users.

2018/07/01-2019/06/30 (18-02)

Co-Investigator

Chancellors Grant for development of PTSD mobile app software.

2016-2017 (Price)

Co-Investigator

Craig H. Neilsen Foundation Psychosocial Research Grants

Exercise training in a community-based setting for people with spinal cord injuries

2017-2018 (438912 - Morgan)

Co-Investigator

Feasibility and acceptability of a sensor-assisted e-therapy for PTSD

2016-2017/WU Dissemination and Implementation Pilot Program ($29,992)

Principal Investigator

Wheelchair Training Grant, $98,000

2014-2015/Missouri Spinal Cord Injury Research Program Grant

Co-Investigator

Wheelchair Training Grant, $50,000

2012-2013/Missouri Spinal Cord Injury Grant

Principal Investigator

$50,000

Instrumented Wheelchair Treadmill Project, Part II, $50,000

2010-2011/Missouri Spinal Cord Injury Grant

Principal Investigator

Instrumented Wheelchair Treadmill Project, $50,000

2008-2009/Missouri Spinal Cord Injury Grant

Co-Investigator

Development and Testing of a Sitting Posture Monitoring and Alerting System, $1,500

2008/Program in Physical Therapy Research Grant

Co-Investigator

Development and Testing of a Sitting Posture Monitoring and Alerting System, $5,000

2008/MPTA Grant

Principal Investigator

Instrumented Wheelchair Treadmill Project, $1,500

2008/Program in Physical Therapy Research Grant

Post-Doctoral Fellow (Saint Louis University)

1997/Anesthesia Research Development Fund

**Patent:**

 60/957,238 – Multi-Plug Design Shoe Insole (Provisional)

**Teaching Responsibilities:**

 Movement Science Ph.D. Program

 IPMS 5110 - Instrumentation I (4 credits, 4-8 Students)

Course Master (1999-Present)

Introduction to computer systems and the design of software in several different computer languages.

 IPMS 5115 - Instrumentation II (3 credits, 4-8 Students)

Course Master (1999-Present)

Introduction to electronic hardware, basic circuit design, and electronic system analysis for lab equipment.

 Department of Biomedical Engineering

 BME 401 - Senior Design I (3 Credits, 70-90 Students)

Course Master (1999-Present)

Senior design capstone class for biomedical engineering. I assisted with this course the first time it was taught in 1999, and I have been the course master since.

 BME 402 - Senior Design II (3 Credits, 6-20 Students)

Course Master (2006-2014)

Senior design course where the students build a prototype of the design from the previous semester. I created this course in 2006.

Trainee Advisement

 Ryan Bailey, PhD committee, 2015

 Kerri Morgan, PhD committee, 2015

**Bibliography:**

Peer Reviewed Publications

1. Morgan KA., Taylor KL, Tucker SM, Todd Cade WT, and **Klaesner JW**. "Exercise Testing Protocol Using a Roller System for Manual Wheelchair Users with Spinal Cord Injury." *The Journal of Spinal Cord Medicine* (2018): 1-15.
2. Morgan KA, Taylor KL, Tucker SM, Cade WT, and **Klaesner JW**. "Development and Validation of Cardiorespiratory Endurance Protocol for Persons with Spinal Cord Injury." *Archives of Physical Medicine and Rehabilitation* 98.10 (2017): E50-51.
3. Waddell KJ, Strube MJ, Bailey RR, **Klaesner JW**, Birkenmeier RL, Dromerick AW, Lang CE. "Does Task-Specific Training Improve Upper Limb Performance in Daily Life Poststroke?" *Neurorehabilitation and Neural Repair* 31.3 (2017): 290-300.
4. Lang CE, Waddell KJ, **Klaesner JW**, and Bland MD. "A Method for Quantifying Upper Limb Performance in Daily Life Using Accelerometers." *Journal of Visualized Experiments* 122 (2017)
5. Morgan KA, Tucker SM, **Klaesner JW**, and Engsberg JR. "A Motor Learning Approach to Training Wheelchair Propulsion Biomechanics for New Manual Wheelchair Users: A Pilot Study." The Journal of Spinal Cord Medicine (2015): 1-20.
6. Morgan, KA, Engsberg, JR, and **Klaesner, JW**. The Testing of An Instrumented Wheelchair Propulsion Testing and Training Device. *HSOA Journal of Physical Medicine, Rehabilitation & Disabilities*. 1:003, 2015.
7. Will, K, Engsberg, JR, Foreman, M, **Klaesner, JW**, Birkenmeier, R, and Morgan, KA. Repetition-based Training for Efficient Propulsion in New Manual Wheelchair Users. *HSOA Journal of Physical Medicine, Rehabilitation & Disabilities*. 1:001, 2015.
8. Bailey, RR, **Klaesner, JW**, and Lang, CE. Quantifying Real-World Upper-Limb Activity in Nondisabled Adults and Adults With Chronic Stroke. *Neurorehabilitation and Neural Repair*. April 20, 2015. (DOI: 10.1177/1545968315583720)
9. Bailey, RR, **Klaesner, JW**, and Lang, CE. An accelerometry-based methodology for assessment of real-world bilateral upper extremity activity. *PLOS One*. 9,7. e103135, 2014. (DOI: 10.1371/journal.pone.0103135)
10. **Klaesner JW**, Morgan KA, and Gray DB. The Development of an Instrumented Wheelchair Propulsion Testing and Training Device. *Assistive Technology*. 26(1):24-32, 2014. (DOI: 10.1080/10400435.2013.792020)
11. Garcia CA, Hoffman SL, Hastings MK, **Klaesner JW**, Mueller MJ. Effect of metatarsal phalangeal joint extension on plantar soft tissue stiffness and thickness. *The Foot*. 18:61-67, 2008. (DOI:10.1016/j.foot.2007.12.002)
12. Gombatto SP, **Klaesner JW**, Norton BJ, Minor SD, Van Dillen LR. Validity and reliability of a system to measure passive tissue characteristics of the lumbar region during trunk lateral bending in people with and without low back pain. *Journal of Rehabilitation Research and Development.* 45(9):1415-1430, 2008. (DOI:10.1682/JRRD.2008.02.0027)
13. Maluf KS, Morley RE, Jr., Richter EJ, **Klaesner JW**, Mueller MJ. Foot pressures during level walking are strongly associated with pressures during other ambulatory activities in subjects with diabetic neuropathy. *Archives of Physical Medicine & Rehabilitation.* 85(2):253-60, 2004. (DOI:10.1016/j.apmr.2003.06.004)
14. **Klaesner JW**, Hastings MK, Zou D, Lewis C, Mueller MJ. Plantar tissue stiffness in patients with diabetes mellitus and peripheral neuropathy. *Archives of Physical Medicine and Rehabilitation.* 83:1796-1801, 2002. (DOI:10.1053/apmr.2002.35661)
15. Commean PK, Mueller MJ, Smith KE, Hastings MK, **Klaesner JW**, Pilgram T, Robertson DD. Reliability and validity of combined imaging and pressures assessment methods for diabetic feet. *Archives of Physical Medicine and Rehabilitation*. 83(4):497-505, 2002. (DOI:10.1053/apmr.2002.30923)
16. Maluf KS, Morley RE, Richter EJ, **Klaesner JW**, and Mueller MJ. Monitoring in-shoe plantar pressures, temperature, and humidity: Reliability and validity of measures from a portable device. *Archives of Physical Medicine and Rehabilitation*. Vol. 82, August 2001, 1119-1127. (DOI:10.1053/apmr.2001.24223)
17. Morley RE, Richter EJ, **Klaesner JW**, Maluf KS, and Mueller MJ. In-shoe multi-sensory data acquisition system. *IEEE Transactions on Biomedical Engineering*. Vol. 48(7), 2001, 815-820. (DOI:10.1109/10.930906)
18. **Klaesner JW**, Commean PK, Hastings MK, Zou D, Mueller MJ. Accuracy and reliability of a portable soft tissue indentor. *IEEE Transactions on Rehabilitation Engineering.*  Vol. 9(2), 2001, 232-240. (DOI:10.1109/7333.928583)
19. **Klaesner JW**, Pou NA, Parker RE, Finney C, and Roselli RJ. Optical measurement of isolated canine lung filtration coefficients after alloxan infusion. *Journal of Applied Physiology.* Vol. 84(4), 1998, 1381-1387.
20. **Klaesner JW**, Pou NA, Parker RE, Finney C, and Roselli RJ. Optical measurement of isolated canine lung filtration coefficients at normal hematocrits. *Journal of Applied Physiology.* Vol. 83(6), 1997, p. 1976-1985.
21. **Klaesner JW**, Pou NA, Parker RE, Galloway RL, and Roselli RJ. Laser system for measuring small changes in plasma tracer concentration. *Biomedical Instrumentation & Technology.* Vol. 30 (Nov/Dec 96), p. 507-516.
22. **Klaesner JW**, Roselli RJ, Evans S, Pou NA, Parker RE, and Parham M. Optical measurements of lung microvascular filtration coefficient using polysulfone fibers. *Annals of Biomedical Engineering.* Vol. 22, No. 6 (Nov/Dec 94), p. 660-673.

Thesis/Dissertations

1. **Klaesner JW.** An optical method for measuring lung filtration coefficient. Ph.D. Dissertation under the direction of R. J. Roselli. Vanderbilt University, Nashville, TN, 1995.
2. **Klaesner JW.** The use of polysulfone fibers in optical measurements of lung microvascular filtration coefficient. M.S. Dissertation under the direction of R. J. Roselli. Vanderbilt University, Nashville, TN, 1993.

Published Abstracts/Presentations

1. Digiovine, Carmen, Donahue, Meghan, Bahr, Patricia, Bresler, Mark, **Klaesner, Joseph**, Pagadala, Rajesh. Rehabilitation Engineers, Technologists, And Technicians: Vital Members Of The Assistive Technology Team. RESNA Conference, 2015.
2. Bailey RR, **Klaesner JW**, Lang, CE. Real-World Assessment of Bilateral Upper Extremity Activity. Translational Science 2014 Meeting Abstracts. *Clinical and Translational Science.* Volume 7, Issue 3, pages 202–276, June 2014.
3. Bailey RR, **Klaesner JW**, Lang, CE.  A quantitative method for measuring bilateral arm activity via accelerometry. Poster Session. *8th Annual Research Training Symposium*. St. Louis, MO. 2013.
4. Bailey RR, **Klaesner JW**, Lang, CE. A Quantitative Method for Measuring Bilateral Arm Activity via Accelerometry. ASNR 2013 Poster Abstracts Neurorehabilitation Neural Repair 2014 28: NP1.
5. **Klaesner JW**, Morgan KA, and Gray DB. The Development of an Instrumented Wheelchair Propulsion Testing and Training Device. RESNA Meeting, June 2013.
6. Norton BJ, Vernon DOL, Holtzman GW, **Klaesner JW**. Development and Testing of a Sitting Posture Monitoring System. APTA Combined Sections Meeting, Feb. 2010.
7. Y. Gao Y, **Klaesner JW**, Zou D, and Mueller MJ. Relationship between Physical Stresses on the Plantar Foot and Pain Threshold. *Annals of Biomedical Engineering,* 37(Supp.), 2009.
8. Deusinger SS, **Klaesner JW**, Morgan KA, Norton, BJ. Technology Innovations for Physical Therapy Research and Practice. APTA Annual Meeting. June 2009.
9. **Klaesner JW**, Morgan KA, Gray D. Instrumented Wheelchair Treadmill. *Annals of Biomedical Engineering,* 36(Supp.), 2008.
10. **Klaesner JW**, Holtzman GW, Norton BJ. Instrumented Office Chair For Measuring Posture During Prolonged Sitting. *Annals of Biomedical Engineering,* 35(Supp.), 2007.
11. **Klaesner JW**, Zou D, and Mueller MJ. Ultrasound Correction of Position Data for Plantar Tissue Model. *Annals of Biomedical Engineering,* 33(Supp.), 2005.
12. Christiansen BA, **Klaesner JW**, and Mueller MJ. Tissue Indentation with Position and Ultrasound Measurements . *Annals of Biomedical Engineering*, 31(Supp.), 2003.
13. **Klaesner, JW**, Gutekunst, DJ, Smith, KE., and Mueller, MJ. Comparison of Tissue Indentation and CT Measured Tissue Density Measurements. BMES & EMBS Joint Conference:13.3.7-5, 2002.
14. **Klaesner JW**, Zou D, Hastings MK, and Mueller MJ. Plantar Tissue Stiffness Differences Between Diabetics and Controls. *Annals of Biomedical Engineering,* 29(Supp.):P3.1, 2001.
15. Hastings MK, **Klaesner JW**, and Mueller, MJ. Metatarsal soft tissue stiffness in subjects with and without diabetes. APTA Combined Sections Meetings, Feb. 2001. *Journal of Orthopedic and Sports Physical Therapy*. 31(1):PO79, A-28, 2001.
16. **Klaesner JW**, Zou D, and Mueller MJ. Modeling Indentor Data From Plantar Surface Tissue. *Annals of Biomedical Engineering*, 28(Supp.):T1.79, 2000.
17. Hastings MK, Mueller MJ, **Klaesner JW**. Measurement of tissue stiffness using a portable indentor. APTA Combined Sections Meeting, New Orleans, LA, 2000. *Journal of Orthopedic and Sports Physical Therapy*, 2000; 30:A7
18. Maluf KS, Richter EF, Morley RE, Pickard WF, **Klaesner JW**, Mueller MJ. Validity of Measurements Obtained from an Electronic Monitoring System in Diabetic Footwear. APTA Combined Sections Meeting, Feb. 2000. *J Orthop Sports Phys Ther*. 2000;30:A12.
19. Richter EJ, Morley RE, Pickard W, Maluf KS, **Klaesner JW**, Mueller MJ. In-Shoe Multisensory Data Acquisition. BMES & EMBS Joint Conference, 6.3.1-2, 1999.
20. **Klaesner JW**, Commean PK, Hastings MK, Mueller MJ. Portable Soft Tissue Indentor for Use in Clinical Settings. BMES & EMBS Joint Conference, 6.3.1-5, 1999.
21. **Klaesner JW**, and Dahms TE. Responsiveness of rabbit peripheral blood neutrophils: chemotaxis and deformability. *FASEB J.*, Vol. 12(4):5514, 1998.
22. **Klaesner JW**, and Dahms TE. 2-Chloro-Adenosine and Hydralazine effects on rabbit neutrophil chemotactic movement is chemoattractant dependent. *Amer. J. of Resp. Critical Care Med.*, Vol. 157:A142 (Supp.), 1998.
23. **Klaesner JW**, Bayes MC, and Dahms TE. 2-Chloroadenosine effects on PMN Migration in the Pulmonary Vasculature. *Amer. J. of Resp. Critical Care Med.*, Vol. 155:503 (Supp.), 1997.
24. Pou NA, **Klaesner JW**, Parker RE, Finney C, and Roselli RJ. Effects of a step increase in left atrial pressure on effective diffusivity in intact sheep. *FASEB J.*, 10(3):A351, 1996.
25. **Klaesner JW**, Pou NA and Roselli RJ. Changes in σf induced by alloxan infusion. *FASEB J.*, 10(3):A352, 1996.
26. Roselli RJ, **Klaesner JW**, and Pou NA. The effect of initial airway-microvascular pressure difference on the measurement of lung filtration coefficient (Kfc). *FASEB J.*, 9(3):A414, 1995.
27. **Klaesner JW**, Roselli RJ, and Pou NA. Comparison of laser diode and spectrophotometer measurements of lung filtration coefficient. *FASEB J.*, 9(3):A417, 1995.
28. Roselli, RJ, and **Klaesner JW.** Verification of the optical method for measuring lung vascular filtration with a model of transvascular exchange. *Annals of Biomedical Engineering*, 22, 1994.
29. **Klaesner JW**, and Roselli RJ. Device for optical detection of physiological tracer concentrations. *Annals of Biomedical Engineering*, 22, 1994.
30. **Klaesner JW**, Roselli RJ, Parker RE, Pou NA, and Parham ME. Optical measurement of lung filtration coefficient (Kfc) using polysulfone fibers for on-line red blood cell exclusion. Vanderbilt Graduate Student Research Day, 1994.
31. **Klaesner JW**, Roselli, R. J., Parker RE, Pou NA, and Parham, M. Optical measurement of lung filtration coefficient (Kfc) using polysulfone fibers. *Annals of Biomedical Engineering*, 21, 1993.
32. **Klaesner JW**, Roselli, R. J., Parker RE, Pou NA, Parham, M, and Duffy, R. L. Use of polysulfone fibers to minimize red cell artifacts during optical measurements of lung vascular filtration. *FASEB J.*, 7(3):A234, 1993.

**Community Service:**

Assistant Basketball Coach

 St. Monica Catholic Church

 Creve Coeur, MO

 2011-2015

Assistant Scoutmaster

Boy Scouts

Troop 809

 St. Monica Catholic Church

 Creve Coeur, MO

2008-2011

 Swim Team Board

 Elks Swim Team

 2007-2015

 Pitching Coach

 St. Louis Fever Softball Club

 2006-2008

 Committee Chairman

 Cub Scouts

 Pack 809

 St. Monica Catholic Church

 Creve Coeur, MO

 2005-2011

 Director of Basketball

 St. Monica Catholic Church

 Creve Coeur, MO

 2005-2007

Soccer Coach

 St. Monica Catholic Church

 Creve Coeur, MO

 2003-2006

 Basketball Coach

 Emerson YMCA

 Ferguson, MO

 2002-2004

Softball Coach

Sacred Heart Catholic Church

Florissant, MO

1998-2003

Technology Board

Sacred Heart Catholic Church

Florissant, MO

1997-2003

Public School of Religion Teacher

Cathedral of the Incarnation Catholic Church

Nashville, TN

1993-1995

Assistant Scoutmaster

Boy Scouts

Troop 809

St. Edwards Catholic Church

Nashville, TN

1992-1994