

# Tim A. Pruitt

Curriculum Vitae (October 2021)

## CONTACT INFORMATION

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Department of Psychology  
University at Buffalo, the State University of New York

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## EDUCATION

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**PhD** University at Buffalo, SUNY. Cognitive Psychology 2019

Dissertation: *Covert and overt vocal activity during musical imagery:  
A surface electromyographic study.*

Advisor: Peter Q. Pfordresher, PhD

**MA** Appalachian State University. Experimental Psychology 2008

Thesis: *The role of judgment type in measuring musical similarity.*

Advisor: Kenneth Steele, PhD

**BA** Radford University. Psychology 2006

Anthropology Minor

Cum Laude and Psi Chi Honors

## PROFESSIONAL APPOINTMENTS

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**University at Buffalo, SUNY** Fall 2020 to Present

**Clinical Assistant Professor.** Department of Psychology

**Distance Learning Coordinator.** Department of Psychology

**Co-director.** Auditory Perception and Action Laboratory

**University at Buffalo, SUNY** Fall 2019 to Fall 2020

**Post-Doctoral Research Fellow.** Auditory Perception and Action Laboratory

**University at Buffalo, SUNY** Fall 2015 to Summer 2019

**Lecturer.** Department of Psychology

**Daemen College** Fall 2015 to Spring 2017

**Adjunct Faculty.** Department of Psychological Sciences

**ECPI University, College of Health Sciences, Medical Careers Institute** Fall 2009 – July 2010

**Faculty Member.** Department of General Education

**Appalachian State University** Spring 2009

**Adjunct Faculty.** Department of Psychology

**HONORS AND AWARDS**

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<b>UPA and Psi Chi Excellence in Teaching Award</b>	2016, 17, 18
University at Buffalo, SUNY	
<b>Excellence in Teaching Award for Graduate Teaching Assistants</b>	2016
University at Buffalo, SUNY	
<b>Robert W. Rice Memorial Award for Early Excellence in Research, Finalist</b>	2014
University at Buffalo, SUNY	
Paper Title: <i>The role of auditory feedback in speech and song.</i>	
<b>SMPC 2011 Student Travel Award</b>	2011
Annual Conference of the Society for Music Perception and Cognition	
<b>Arthur A. Schomburg Fellowship</b>	2010 – 2014
<b>Graduate Student Association Senate Research Grant</b>	2007, 08
Appalachian State University	
Project: <i>A preliminary assessment of reported flow state in musicians.</i>	
Project: <i>The effect of musical attack time on estimation of duration.</i>	
<b>Dr. Wiley F. Smith Endowment Research Award</b>	2007
Appalachian State University	
Project: <i>The effect of musical attack time on estimation of duration.</i>	
<b>Office of Student Research, Student Research Grant</b>	2006
Appalachian State University	
<b>Dean's List</b>	Spring 2005, Fall 2005, Spring 2006
Radford University	

**TEACHING EXPERIENCE**

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**University at Buffalo, SUNY**

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**Clinical Assistant Professor, Lecturer, Graduate Instructor**, Department of Psychology

- Courses:
- Psychological Statistics*
    - In-person, remote, & online formats. Enrollment 70 – 220 students.
    - Taught most Fall, Spring, & Summer semesters (most recent: Fall 2021)
  - Scientific Inquiry in Psychology*
    - Remote format. Enrollment 70 – 150 students.
    - One section, most Spring semesters (most recent: Spring 2021).
  - Cognitive Psychology*
    - In-person & Remote formats. Enrollment 70 – 150 students.
    - One section, most Fall semesters (most recent: Fall 2021).
  - Sensory Processes & Perception*
    - Remote format. Enrollment 70 – 150 students.
    - One section, most Fall semesters (most recent: Fall 2021).
  - UB Seminar – Mindfulness of Mind's Flaws*
    - In-person & remote format. Enrollment 20 – 30 students.
    - Multiple sections, typically in Fall semester (most recent: Fall 2020).
  - Communicating for Psychological Sciences*
    - In-person format. Enrollment 20 – 30 students.

- Two sections, typically a Spring semester (most recent: Spring 2019).

*Psychology of Music*

- In-person format. Enrollment 30 – 40 students.
- One section biennially, typically a Fall semester (most recent: Fall 2018).

*Introductory Psychology*

- In-person format. Enrollment 50 – 70 students.
- One section, typically in a Summer semester (most recent: Summer 2016).

**Singapore Institute of Management (SIM)**

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**Visiting Faculty, SIM-University of Buffalo undergraduate program.**

Courses:      *Cognitive Psychology*

- In-person & Remote formats. Enrollment 70 – 110 students.
- Two sections, typically Summer semesters (most recent: Summer 2021).

**Daemen College**

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**Adjunct Faculty, Department of Psychological Sciences**

Courses:      *Psychological Statistics*

- In-person format. Enrollment 20 – 30 students.
- One section, each Fall & Spring semester (most recent: Spring 2017)

*Introductory Psychology*

- In-person format. Enrollment 30 – 40 students.
- One section, Spring semester (most recent: Spring 2016)

**ECPI University, College of Health Sciences, Medical Careers Institute**

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**Faculty Member, Department of General Education**

Courses:      *Introductory Psychology*

- In-person format. Enrollment 30 – 40 students.
- Five week terms, multiple sections (most recent: May 2010)

*Human Growth & Development*

- In-person & online format. Enrollment 30 – 40 students.
- Five week terms, multiple sections (most recent: July 2010)

*College Orientation*

- In-person format. Enrollment 30 – 40 students.
- Five week terms, multiple sections (most recent: June 2010)

**Appalachian State University**

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**Adjunct Faculty, Graduate Instructor, Department of Psychology**

Courses:      *Introductory Psychology*

- In-person format. Enrollment 50 – 70 students.
- Multiple sections, Fall and Spring semesters (most recent: Spring 2009)

**RESEARCH EXPERIENCE**

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Broadly speaking my research interests surround auditory perception and auditory cognitive processes. My research incorporates study areas involving vocal pitch imitation, multimodal mental imagery, psychophysiology, sensorimotor processes, and comparisons of music and

language processes. I am also interested in conducting comparative (animal) auditory processing studies as well.

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**Auditory Perception & Action Laboratory** Fall 2020 to Present

**Co-director.** University at Buffalo, SUNY.  
Principle Investigator: Peter Q. Pfordresher, PhD

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**Auditory Perception & Action Laboratory** Fall 2019 to 2020

**Postdoctoral Research Fellow.** University at Buffalo, SUNY.  
Principle Investigator: Peter Q. Pfordresher, PhD

**Project manager & contributing researcher:**

- National Science Foundation Grant (BCS-1848930): *Cognitive and motor factors in vocal imitation.*
- Grammy Museum Scientific Research Grant: *Basic cognitive functions underlying singing accuracy: Causal flow or reciprocal interactions?*

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**Auditory Perception and Action Laboratory** 2010 to 2019

**Graduate Research Assistant.** University at Buffalo, SUNY.  
Principle Investigator: Peter Q. Pfordresher, PhD

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**Comparative Bioacoustics Laboratory** Summer 2012 to Summer 2014

**Graduate Research Assistant.** University at Buffalo, SUNY.  
Principle Investigator: Michael L. Dent, PhD

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**Music Perception Laboratory** Fall 2006 to Spring 2008

**Graduate Research Assistant.** Appalachian State University.  
Principle Investigator: Kenneth M. Steele, PhD

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**Cognitive Psychology & Psychophysiology Laboratory** Summer 2006

**Research Assistant.** Radford University.  
Principle Investigator: Thomas W. Pierce, PhD

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**PEER-REVIEWED PUBLICATIONS**

Saltsman, T.L., **Pruitt, T.A.**, Pfordresher, P.Q., & Seery, M.D. (submitted). Singing the heart out: Singing accuracy predicts cardiovascular responses of task engagement during singing and speech performance.

Pfordresher, P.Q., Mantell, J.T., & **Pruitt, T.A.** (2021). Effects of intention in the imitation of sung and spoken pitch. *Psychological Research*.

**Pruitt, T.A.**, Halpern, A.H., & Pfordresher, P.Q. (2019). Covert singing in anticipatory auditory imagery. *Psychophysiology*, 56, e13297.

**Pruitt, T.A.** & Pfordresher, P.Q. (2015). The role of auditory feedback in speech and song. *Journal of Experimental Psychology: Human Perception and Performance*, 41, 152-166.

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**MANUSCRIPTS IN PREPARATION**

Greenspon, E.B., **Pruitt, T.A.**, Halpern, A.H., & Pfordresher, P.Q. (in preparation). Effects of motor suppression on the accuracy of vocal pitch matching.

Greenspon, E.B., Honan, A., **Pruitt, T.A.**, Halpern, A.H., & Pfordresher, P.Q. (in preparation). Singing accuracy, mental imagery, and subvocalization: An exploration using mental transformation of melodies.

**Pruitt, T.A.**, D'Alessandro, F., & Pfordresher, P.Q. (in preparation). Sternohyoid muscle activity during pitch imitation of musical intervals.

## **RESEARCH PRESENTATIONS**

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(†) denotes undergraduate advisee presentations

Greenspon, E.B., George, G., **Pruitt, T.A.**, Halpern, A.H., & Pfordresher, P.Q. (2020, November). The disruptive effect of phonatory interference on vocal imitation of pitch. Presentation delivered virtually at the annual Auditory Perception and Cognition Society.

**Pruitt, T.A.**, †George, G., Greenspon, E.B., Halpern, A.H., & Pfordresher, P.Q. (2020, March). *Articulatory and phonotory suppression effects on the vocal imitation of pitch*. Poster presented at the annual Eastern Psychology Association conference in Boston, MA.

†Honan, A., **Pruitt, T.A.**, Greenspon, E.B., & Pfordresher, P.Q. (2019, August). *The role of subvocalization in the mental transformation of melodies*. Poster presented at the biennial conference of the Society for Music Perception and Cognition in New York City, NY.

**Pruitt, T.A.** & Pfordresher, P.Q. (2019, March). *Tracing the functional relationship of subvocalizations during auditory imagery*. Presentation delivered at the annual Eastern Psychology Association conference in New York City, NY.

†D'Alessandro, F., **Pruitt, T.A.**, & Pfordresher, P.Q. (2018, October). *Pitch in your 100 cents: Laryngeal muscle activity during pitch interval singing. A surface electromyographic study*. Presentation delivered at the Florida International University McNair Scholars Research Conference. Miami, FL.

❖ Awarded 3<sup>rd</sup> place for oral presentations in social sciences.

Halpern, A.H., Greenspon, E.B., **Pruitt, T.A.**, & Pfordresher, P.Q. (2018, July). *The role of singing accuracy and imagery self-report in auditory imagery tasks*. Presentation delivered at the biennial meeting of the International Conference on Music Perception and Cognition. Montreal, QC.

**Pruitt, T.A.** (2017, November). *Electromyographic measures of laryngeal and facial muscle activity during musical imagery and signing*. Presentation delivered at University at Buffalo's Center for Cognitive Science Colloquium Series. Buffalo, NY.

**Pruitt, T.A.**, Pfordresher, P.Q. & Halpern, A.H. (2017, April). *Electromyographic study of musical imagery and singing*. Presentation delivered at Eastman School of Music's Music Cognition Symposium, Rochester NY.

**Pruitt, T.A.**, Pfordresher, P.Q., Mantell, J.T., & Wright, M.D. (2015, November). *Intentional and incidental vocal pitch imitation during speech and song*. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.

**Pruitt, T.A.**, Halpern, A.R. & Pfordresher, P.Q. (2015, August). *Using surface electromyography (sEMG) to measure laryngeal and facial activity during both visual and auditory imagery*. Poster presented at the biannual conference for the Society for Music Perception and Cognition, Nashville, TN.

Pfordresher, P.Q., Mantell, J.T., **Pruitt, T.A.**, & Wright, M.D. (2015, August) *Accuracy, intent, and signal clarity in vocal pitch imitation*. Presentation delivered at the biannual conference for the Society for Music Perception and Cognition, Nashville, TN.

†Sari, G.M, **Pruitt, T.A.**, & Pfordresher, P.Q. (2015, April). *Using surface electromyography to explore sensorimotor associations during auditory imagery and singing*. Biomedical Sciences Exchange Program/International Academy for Laboratory Sciences Student Conference. Boston, MA.

**Pruitt, T.A.** & Pfordresher, P.Q. (2013, August). *The Role of Auditory Feedback on Speech and Song*. Presentation delivered at the biannual conference for the Society for Music Perception and Cognition, Toronto, Ontario, Canada.

**Pruitt, T.A.**, Neilans, E.G., Pfordresher, P.Q., & Dent, M.L. (2013, August). *Chord Discrimination in the Zebra Finch (*Taeniopygia guttata*), Budgerigar (*Melopsittacus undulatus*), and Human (*Homo sapiens*)*. Poster presented at biannual conference for the society for Music Perception and Cognitive, Toronto, Ontario, Canada.

**Pruitt, T.A.** & Pfordresher, P.Q. (2011, August). *The Effects of Altered Auditory Feedback on Speech and Music Production*. Poster presented at the biannual conference for the Society for Music Perception and Cognition, Rochester, NY.

**Pruitt, T.A.** & Pfordresher, P.Q. (2011, November). *The Effects of Altered Auditory Feedback on Speech and Music Production*. Poster presented at the annual meeting of the Psychonomic Society, Seattle, WA.

**Pruitt, T.A.** (2006, April). *Investigation of Physiological Arousal in Individual versus Collective Performance in Musicians*. Presentation delivered at Radford University's 14<sup>th</sup> annual Undergraduate/Graduate Student Engagement Forum, Radford, VA.

**Pruitt, T.A.** & Chambers, J. (2006, April). *Social Interactions among Captive Orangutans (*Pongo pygmaeus*)*. Presentation delivered at Radford University's 14<sup>th</sup> annual Undergraduate/Graduate Student Engagement Forum, Radford, VA.

## UNDERGRADUATE TEACHING ASSISTANT SUPERVISION

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Zanaya Hussain, Jyla Serfino, Thamarah Bouaz	Fall 2021
Rahima Hussain, Elizabeth Zdyb, David Vollweiler, Elena Braccio, Danielle Haynes	Spring 2021
Elizabeth Zdyb & Zachary Morrisey	Fall 2020

## DEPARTMENT & UNIVERSITY SERVICE

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Undergraduate Studies Committee (Advisory)	2021 to 2022
Psychology Department Grievance Committee	2020 to 2021
University at Buffalo's Psychology Graduate Student Association (President)	2013 to 2015
Mark Diamond Research Award Committee (Member)	Spring 2015

Appalachian State University Psychology Graduate Student Organization (President) 2007 - 2008  
Appalachian State University's Psychology Department Research Coordinator 2006 to 2007

**EDITORIAL REVIEWER (AD HOC)**

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*Musicae Scientiae* 2021  
*Music & Mental Imagery: Theory Research & Applications* 2019

**SERVICE TO THE FIELD**

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Palo Vazquez's AP Capstone Project (Expert Advisor) 2019 to 2020

**PROFESSIONAL AFFILIATIONS**

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University at Buffalo's Center for Cognitive Sciences  
Society for the Teaching of Psychology  
Psychonomic Society  
Society for Psychophysiological Research (SPR)  
Eastern Psychological Association (EPA)  
Society for Music Perception and Cognition (SMPC)