

Dante J. Smith, PhD

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Education

- 2020 **Ph.D., Computational Neuroscience**
Boston University, Boston MA
Thesis: “The Roles of Auditory and Somatosensory Feedback in Vocal Motor Control”
- 2012 **B.S., Biomedical Engineering**, minor in Mechanical Engineering
Boston University, Boston MA
Cum Laude

Awards and Honors

- 2017 Graduate Medical Science Travel Award
\$1000 to attend Society for Neuroscience conference
- 2015 NIH Research Supplement to Promote Diversity in Health-Related Research
(R01DC002852) – \$33,000 over 1 year
- 2015 Henry I. Russek Student Achievement Day Award, Third Place- \$300
- 2014 CompNet Travel Award
\$1000 for travel to the IEEE Engineering in Medicine and Biology Conference
- 2013-2015 Computational Neuroscience Fellowship “Comparison of Steady-State Visual and
Somatosensory Evoked Potentials for Brain-Computer Interface Control”
\$93,000 over two years
- 2008-2012 Dean’s List, College of Engineering, Boston University
- 2008 Eagle Scout, Boy Scouts of America

Refereed Journal Publications

4] Smith, D. J., Stepp, C.E., Guenther, F. H., & Kearney, E. “Contributions of Auditory and Somatosensory Feedback to Voice Motor Control.” *Journal of Speech, Language, and Hearing Research* (2020). DOI: 10.1044/2020_JSLHR-19-00296

3] Masapollo, M., Smith, D.J. & Guenther, F.H. (submitted). “On the nature of working memory structures in speech sequence assembly.”

2] Masapollo M, Smith D.J., Guenther FH. Dissociation between phonological working memory structures and motor programming units during speech motor-sequence learning. Version: 3. PsyArXiv [Preprint]. (2019)

1] Segawa, J.A., Masapollo, M., Tong M., Smith, D.J., Guenther, F.H. “Chunking of phonological units in speech sequencing”, *Brain and Language*, 195(May). 2019.

Refereed Conference Proceedings

1] Smith, D.J., Varghese, L.A., Stepp, C.E., Guenther, F.H. “Comparison of Steady-State Visual and Somatosensory Evoked Potentials for Brain-Computer Interface Control”, Proceedings of the 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 26-30 August, 2014

Conference Presentations

- 7] Kearney, E., **Smith, D.J.**, Stepp, C.E., Guenther, F.H., “Auditory and Somatosensory Feedback Control in Voice Production”, Conference on Motor Speech, 2020, Santa Barbara, CA. [poster presentation].
- 6] Masapollo, M., **Smith, D.J.**, Guenther, F.H., “On the nature of working memory structures in phonological encoding”, 178th Meeting of the Acoustical Society of America, 2019, San Diego, CA. [poster presentation]
- 5] Masapollo, M., **Smith, D.J.**, Guenther, F.H. “On the nature of working memory structures in speech sequencing”, Boston Speech Motor Control Symposium, 2019, Boston, MA. [poster presentation]
- 4] **Smith, D.J.**, Salazar-Gomez, A.F., Stepp, C.E., Guenther, F.H. “Somatosensory-based Compensation to Mechanical Perturbations of the Larynx during Speech”, Society for Neuroscience, November 11, 2017, Washington D.C. [poster presentation]
- 3] **Smith, D.J.**, Stepp, C.E., Guenther, F.H. “Effects of Attention on Evoked Potentials for Brain Computer Interface Control”, Graduate Research Symposium, April 11, 2016, Boston MA. [poster presentation]
- 2] **Smith, D.J.**, Stepp, C.E., Guenther, F.H. “Effects of Attention on Evoked Potentials for Brain Computer Interface Control”, Neural Processing in Humans, Animals and Machines Conference, June 10-12, 2015, Boston MA. [poster presentation]
- 1] **Smith, D.J.**, Stepp, C.E., Guenther, F.H. “Effects of Attention on Evoked Potentials for Brain Computer Interface Control”, inter-Science of Learning Centers Conference, May 31-June 2, 2015, San Diego CA. [poster presentation]

Open Science Repositories

GitHub: <https://github.com/djsmith17>

Professional Affiliations

Biomedical Engineering Society: 2012

IEEE, Engineering in Medicine and Biology Society: 2013, 2014

Society for Neuroscience: 2014, 2017

Employment Experience

2022 – Present	Computational Neuroscientist II , Neuraville, Pittsburgh PA
2021	Data Consultant , Linus Health, Waltham MA
2012 – 2020	Research Fellow , BU Speech Lab, Department of Speech Language and Hearing, Boston University, Boston MA. Frank Guenther, Principal Investigator
2011 – 2012	Microsoft Student Partner , Microsoft Corp., Boston MA. Jessica Anderson, Campus Marketing Manager
2011 – 2012	Research Assistant , Neural Prosthesis Lab, Department of Speech Language and Hearing, Boston University, Boston MA. Frank Guenther, Principal Investigator
2009 – 2011	Student IT Consultant , IT Help Center, Boston University, Boston MA. Linda Jerrett, Sr. Consultant
2007	Beta Tester , Eluma Corp, Tewksbury MA