Theresa C Hauge

Theresa.hauge@ufl.edu
(732) 609-1609
LinkedIn: **linkedin.com/in/theresa-hauge-a75597123**
Twitter: @TheresaCHauge

2901 SW 13th Street, Apt. 340
Gainesville, FL 32608

EDUCATION

UNIVERSITY OF FLORIDA — **Gainesville, FL**
PhD in Biobehavioral Science — August 2018 – expected May 2023
Specialization: Applied Physiology & Kinesiology
Advisor: Dr. Rachael Seidler
GPA: 3.83

UNIVERSITY OF MARYLAND — **College Park, MD**
Master of Arts in Kinesiology — August 2016 – May 2018
Specialization: Cognitive Motor Neuroscience
Advisor: Dr. Rodolphe Gentili
Master's Thesis: "A new approach to assess high level planning underlying cognitive-motor performance during complex action sequences"
GPA: 3.818

Bachelor of Science in Kinesiology — August 2012 – May 2016
Magna Cum Laude, High Honors in Kinesiology
Honors Senior Thesis: "The effect of task difficulty on motor performance, cognitive workload, and self-efficacy during learning of arm reaching movement using a human-body machine interface"
GPA: 3.885

HONORS/AWARDS

UNIVERSITY OF FLORIDA Gainesville, FL
Allen/Holyoak/Varnes Scholarship -- $ 2,000 — September 2020
Grinter Fellowship Award -- $3,900 — August 2018 – May 2019
Jane E. Edmonds PhD Fellowship -- $5,000 — August 2018

UNIVERSITY OF MARYLAND College Park, MD
*Poster Winner at Bioscience Day** — November 2017
Dean's Recruitment Fellowship (Summer 2017) — August 2016
Phi Beta Kappa Honors Society — May 2015
Phi Kappa Phi Honors Society — April 2015
Dean's Scholar Award, School of Public Health — May 2014 & May 2016
President's Scholarship — September 2012 – May 2016

EXPERIENCE

UNIVERSITY OF FLORIDA — **Gainesville, FL**

Graduate Teaching Assistant – Applied Physiology & Kinesiology August 2018 – December 2018

- Led weekly lectures and lab activities for Human Applied Anatomy Lab.

Graduate Research Assistant January 2019 – present

- NSF # 1835317: "Electrocortical Processes in Real World Locomotion"; principal investigator Dr. Dan Ferris; co-investigator Dr. Rachael Seidler

UNIVERSITY OF MARYLAND College Park, MD

Graduate Research Assistant May 2016-May 2018

- Funding received through the Office of Naval Research (ONR) to August 2017

Graduate Teaching Assistant – Kinesiology Department May 2016 – May 2018

- Lead weekly discussion and lab activities in Motor Control and Learning

Undergraduate Research Assistant August 2015 – May 2016

- Prepared and completed Kinesiology Honors Thesis with Dr. Rodolphe Gentili in the Cognitive Motor Neuroscience Laboratory (title found above)

Undergraduate Resident Assistant August 2014 – May 2016

- Worked with undergraduate population in resident halls, enforcing rules and engaging students in campus life and activities
- Developed conflict management skills, as well as community- and team-building skills

PEER-REVIEWED PUBLICATIONS

4. **Hauge, T. C.,** Katz, G. E., Davis, G. P., Huang, D. W., Reggia, J. A., & Gentili, R. J. (2020). High-Level Motor Planning Assessment During Performance of Complex Action Sequences in Humans and a Humanoid Robot. *International Journal of Social Robotics*, 1-18. (Impact Factor 2019 = 2.516).
3. Pagnussat, M., **Hauge, T.**, da Silva Lopes, E., de Almeida, R. M. M., & Naldony, A. (2020). Bimanual Motor Skill in Recruitment of Forest Harvest Machine Operators*. Croatian Journal of Forest Engineering, 41(1),* (Impact Factor = 2.35).
2. **Hauge, T. C.,** Katz, G. E., Davis, G. P., Jaquess, K. J., Reinhard, M. J., Costanzo, M. E., ... & Gentili, R. J. (2019). A novel application of Levenshtein distance for assessment of high-level motor planning underlying performance during learning of complex motor sequences. *Journal of Motor Learning and Development*, *1*(aop), 1-20. (Impact Factor = 1.570).
1. Katz, G., Huang, D-W., **Hauge, T.**, Gentili, R.J., Reggia, J. (2017). A novel parsimonious cause-effect reasoning algorithm for robot imitation and plan recognition. *IEEE Transactions on Cognitive and Developmental Systems (Impact Factor 2017 = 1.952), PP(99), 1-17.* https://10.1109/TCDS.2017.2651643

CONFERENCES

*denotes Poster presentation award

7. **Hauge, T.C.**, Studnicki, A.K., Seidler, R.D., & Ferris, D.P. (2019). Mobile brain imaging during cooperative and competitive tennis play. *Submitted to Society for Neuroscience Conference 2019. October 19-23, Chicago, Illinois, USA.*
6. **Hauge, T.C.**, Katz, G., Huang, D.W., Davis, G., Reggia, J.A., & Gentili, R.J. (2017) High-level motor planning assessment during performance of complex actions in humans and humanoid robots: A computational approach. *Society for Neuroscience Conference 2017. November 11-15, Washington, D.C., USA.*
5. **Hauge, T.C.**, Katz, G., Huang, D.W., Davis, G., Reggia, J.R., & Gentili, R.J. (2017). Development of a computational tool to assess high-level motor planning during the performance of complex actions. *NASPSPA Conference 2017. June 4-8, San Diego, USA.*

4. ***Hauge, T.C.,** Katz, G., Huang, D.W., Davis, G., Reggia, J.A., & Gentili, R.J. (2017) High-level motor planning assessment during performance of complex actions in humans and humanoid robots: A computational approach. *Bioscience Day. November 16, University of Maryland, College Park, USA.*

3. Ayoub, M.J., **Hauge, T.C.**, Diamond, E.M., Costello, K.M., Shuggi, I.M., Oh, H., & Gentili, R.J. (2017). Motor performance, mental workload, and self-efficacy dynamics during learning a novel reaching task under various levels of task difficulty. *Public Health Research Day. April 4, University of Maryland, College Park, USA.*

2. **Hauge, T.C.,** Katz, G., Huang, D.W., Reggia, J.R., & Gentili, R.J. (2016). Characterizing high-level motor sequences learned by imitating demonstrations. *Bioscience Day. October 25, University of Maryland, College Park, USA.*

1. Ayoub, M.J., **Hauge, T.C.**, Diamond, E.M., Costello, K.M., Shuggi, I.M., Oh, H., & Gentili, R.J. (2016). Changes in motor performance, mental workload, and self-efficacy as a function of the level of difficulty during learning a novel reaching task. *Bioscience Day. October 25, University of Maryland, College Park, USA.*

MENTORSHIP

Annalisa Peburn, Applied Physiology & Kinesiology, University of Florida, anticipated 2022. **Current: undergraduate research assistant.**

Robert "Connor" Mehlenbacher, Biology, University of Florida, anticipated 2022. **Current: undergraduate research assistant.**

Maria Ayoub, BS Kinesiology, University of Maryland 2018. Honors Thesis: "Mental Workload and Performance Assessment During and Arm Reaching Task Under Various Levels of Cognitive and Motor Difficulty". **Currently: PhD Student in Rehabilitation Sciences, Boston University, anticipated 2023.**

OUTREACH

UNIVERSITY OF FLORIDA

Girls with Nerve Co-director and Coordinator, January 2019 – present. University of Florida, funded by NSF grant #1835317.

Scientists in Every Florida School (SEFS) volunteer, February 2020. Florida Museum of Natural History.

PROFESSIONAL DEVELOPMENT

UNIVERSITY OF FLORIDA

Workshop: Podcasting for Fun and Learning. February 2019. Office of Faculty Development & Teaching Excellence.

BSC6038 – Broader Impacts of Science on Society, August 2019-December 2019. Department of Biological Sciences.

EEGLAB 2018 Workshop at UCSD. November 2018, San Diego, CA. Swartz Center for Computational Neuroscience.

Workshop: Teaching Portfolio Review Workshop. September 2018. Office of Faculty Development & Teaching Excellence

SKILLS AND PROFICIENCIES

MATLAB (Proficient)
R language (Proficient)
SPSS (Proficient)
BrainProducts EEG technology (Proficient)

EEGLAB (Proficient)
Cometa^{TM} Inertial Measurement Unit (Proficient)
Electromyography (basic)

Teaching (Excellent)
Group Leadership (Excellent)
Conflict management (Strong)
Community development (Strong)
Event coordinating (Strong)