Last Updated: September 2017

Nicholas J. Christopher-Hayes

Curriculum Vitae

✉ Chris477 | at | uwmalumni | dot | com
https://nichrishayes.github.io

EDUCATION

Bachelor of Arts Degree, University of Wisconsin-Milwaukee **2011 – 2015**
Major: Psychology
Faculty Advisor: Dr. Deborah E. Hannula
Senior Independent Research Project: *Oculomotor capture by aversive stimuli.*
Relevant Courses: *Child Psychology*, *Psychological Statistics; Research Methods; Neuropsychology; Advanced Physiological Psychology; Cellular & Molecular Neuroscience; Brain Injury; Cognitive Neuroscience; Computer Science.*

PROFESSIONAL EXPERIENCE

University of Nebraska Medical Center **2016 – Present**
Department of Neurological Sciences
Warren Neuroscience Lab,
PI: Dr. David E. Warren
Clinical Research Associate, Omaha, NE

Participant scheduling; participant data collection using Magnetic Resonance Imaging (MRI), Neurostimulation (Nexstim NBS 5.1), and eye-tracking (Eyelink 1000); data analysis; present and lead discussion in weekly lab meetings; develop, plan, and implement research studies; prepare material for inclusion in scholarly conference presentations and publications; participant-related data entry; computer and data management.

La Fleur Law Office, S.C.
Firm Administrator, Milwaukee, WI **2015 – 2016**

Lead account operator; lead point of contact for all customer account matters; develop long-lasting advisor relationships with clients.

Business Assistant/Law Clerk, Milwaukee, WI **2012 – 2015**

General office management; legal document preparation; legal research; correspond with clients, courts, and attorneys.

University of Wisconsin-Milwaukee
Department of Psychology-Neuroscience

MINDfull of Memory Lab,
PI: Dr. Deborah E. Hannula
Paid Research Assistant, Milwaukee, WI **Summer 2015**
Volunteer Research Assistant, Milwaukee, WI **2014 – 2016**

Participant scheduling; participant data collection using eye-tracking Software (Eye-Trac 6 & Eyelink 1000); data analysis; present and lead discussion in weekly lab meetings.

Research projects include use of computerized cognitive tasks with eye-tracking methods to investigate memory performance.

University of Wisconsin-Milwaukee Men's Panther Soccer Club **2015 – 2016**
President

Team Management; fundraising; treasury; council leader; marketing.

University of Wisconsin-Milwaukee School of Architecture & Urban Planning **2012 – 2014**
Office Assistant, Milwaukee, WI

General office duties; expense reimbursements.

City Market **2011 – 2012**
Manager, Whitefish Bay, WI

Restaurant management; customer care; employee oversight; accounting.

RESEARCH FUNDING

Support for Undergraduate Research Fellows (SURF): Summer 2015

CERTIFICATIONS

Transcranial Magnetic Stimulation (NBS System 5.1): June 2017 – Present

MRI Safety: December 2014 – Present

Collaborative Institutional Training Initiative (CITI),
IRB Biomedical and Social & Behavioral Combined
Researchers Curriculum: October 2014 – Present

MEMBERSHIPS

Organization for Human Brain Mapping: June 2017 – Present

National Society of Collegiate Scholars: February 2014 – Present

Tamarack 20th Anniversary Committee: September 2015 – June 2016

Milwaukee Panther Soccer Club: August 2013 – March 2016

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VOLUNTEER EXPERIENCE

Fremont Area Alzheimer's Collaboration, Memory Walk: 2016 & 2017

River Alliance of Wisconsin, Statewide citizen advocacy organization for rivers: 2015

Federal TRIO Program, Upward Bound Math-Science: 2014 & 2015

Children's Hospital: 2014

New Horizons Un-Limited Inc. - Independent Disabilities Advocacy and Rehabilitation Center for Computer Training, Refurbishing, and Workforce Preparation, in Association with the Wisconsin Department of Vocational Rehabilitation: 2012

NATIONAL CONFERENCE PRESENTATIONS

Christopher-Hayes, N. J., Rangel, A., Stephen, J. M., Calhoun, V. D., Wang, Y.-P., Wilson, T. W., & Warren, D. E. (2017). Adolescent changes in hippocampal volume and functional connectivity affect memory performance. Organization for Human Brain Mapping.

Spooner, R. K., **Christopher-Hayes, N.J.**, Stephen, J. M., Calhoun, V. D., Wang, Y.-P., Wilson, T. W., & Warren, D. E. (2017). Intrinsic functional connectivity of the striatum covaries with cognitive performance in adolescents. Organization for Human Brain Mapping.

Spooner, R. K., **Christopher-Hayes, N.J.**, Stephen, J. M., Calhoun, V. D., Wang, Y.-P., Wilson, T. W., & Warren, D. E. (2017). Childhood development of behavioral and brain network changes related to basal ganglia: resting-state functional connectivity of striatal regions varies with performance on cognitive tasks in children. Cognitive Neuroscience Society.

Hopkins, L. S., **Christopher-Hayes, N. J.**, Helmstetter, F. J., Hannula, D. E. (2016). Contingency awareness is not required for fear conditioned capture of attention. Visual Sciences Society.

UNIVERSITY PRESENTATIONS

Christopher-Hayes, N. J. (2017). Neuroimaging and Neurostimulation in Alzheimer's. Fremont Area Alzheimer's Collaboration.

Pham, D., **Christopher-Hayes, N. J.**, Rangel, A., Stephen, J. M., Calhoun, V. D., Wang, Y.-P., Wilson, T. W., & Warren, D. E. (2017). Brain correlates of memory ability in youth. UNMC SURP Symposium.

Sajja, K., **Christopher-Hayes, N.J.**, Warren, D. E., Madhavan, D. (2017). Predicting outcomes after corpus callosotomy using FreeSurfer for processing and analyzing pre-surgical MRI images. UNMC Dept. Neurological Sciences Annual Research Symposium.

Christopher-Hayes, N. J., Hopkins, L. S., Helmstetter, F. J., Hannula, D. E. (2015). Oculomotor capture by aversive stimuli. UW-Milwaukee Undergraduate Research Symposium.

Relevant Skills

Programming Languages:
(Java, HTML, bash, Python)

Hardware/Software: Eye-Trac 6 & Eyelink 1000, 3D Slicer, FSL, FreeSurfer, AFNI

Secondary Language: Portuguese

Extracurricular Activities

Photography
Travel
Guitar/Piano
Cooking
Soccer
Exercise
Snowmobiling/Boating
Hiking

REFERENCES

Dr. David E. Warren
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Omaha, NE 68198-8440
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Dr. Deborah E. Hannula
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Dr. Tony W. Wilson
Associate Professor, Department of Neurological Sciences
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Dr. Daniel L. Murman, MD, MS, FAAN
Director, Behavioral and Geriatric Neurology Program
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Phone: 402-559-6591
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