



Nicholas J. Christopher-Hayes

Curriculum Vitae

Department of Neurological Sciences
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EDUCATION

Bachelor of Arts Degree, University Wisconsin Milwaukee **December 2015**

Major: Psychology

Major Professor: Dr. Deborah E. Hannula

Relevant Courses: Psych Stats, Research Methods, Neuropsychology, *Advanced Physiological Psych*, *Cellular & Molecular Neuroscience*, *Brain Injury*, *Cognitive Neuroscience*

High School Diploma, MFHS, Menomonee Falls, WI, **June 2011**

PROFESSIONAL EMPLOYMENT HISTORY

University of Nebraska Medical Center **2016 – Present**

Department of Neurological Sciences

Warren Neuroscience Lab,

PI: Dr. David E. Warren

Clinical Research Associate, Omaha, NE

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 strong, trusted, 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

2014-2016

Department of Psychology-Neuroscience

MINDfull of Memory Lab, PI:

Dr. Deborah E. Hannula

Research Assistant, Milwaukee, WI

Operational oversight of participants using eye-tracking software (Eye-Trac 6 & Eyelink 1000); data

Last Updated: September 2017

collection; data analysis; present and lead discussion in weekly lab meetings.

Research projects included using face-scene and object-array tasks with eye-tracking methods to investigate relational memory below thresholds of awareness, one of which used fear conditioning with an aversive stimulus.

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.

Express Promotions; Summerfest Music Festival **2010 - 2013**
Warehouse Manager, Milwaukee, WI

Manage company communication lines speaking with company sales sites across festival grounds, stock merchandise, and regulate product distribution.

Milwaukee Kickers **2007 - 2011**
Referee, Milwaukee, WI

National and State certified soccer referee for players ages 6-18/yr; ensure safety of all players and provide a uniform and fair field of play by enforcing laws of the game.

RESEARCH FUNDING

Support for Undergraduate Research Fellows (SURF): (Summer 2015)

SPECIAL TRAINING

Transcranial Magnetic Stimulation (NBS System 5.1): (June 1, 2017 – Present)

Eye Tracking (Eye-Trac 6 & Eyelink 1000): (July 1, 2014 – Present)

MRI Safety: (December 2014 – Present)

Collaborative Institutional Training Initiative (CITI), IRB Biomedical and Social & Behavioral Combined Researchers Curriculum: (24 module course; October 30, 2014 - Present)

MEMBERSHIPS

Last Updated: September 2017

Organization for Human Brain Mapping: (June 2017 – Present)

National Society of Collegiate Scholars: (February 26, 2014 - Present)

Tamarack 20th Anniversary Committee: (September 1, 2015 – June 1, 2016)

Milwaukee Panther Soccer Club: (August 2013 – March 2016)

VOLUNTEERSHIP

River Alliance of Wisconsin – Statewide citizen advocacy organization for rivers: (2015)

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

Brady Street Festival – 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)

CONFERENCE PRESENTATIONS

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.

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. OHBM.

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. OHBM.

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 Day.

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. CNS.

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

PRESENTED TALKS

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

Skills

Intermediate: Language (Portuguese)
Intermediate: Programming Language
(Java, HTML, bash, python)
Neuroimaging Programs: 3D Slicer, FSL,
FreeSurfer, AFNI

Extracurricular Activities

Photography	Soccer
Travel	Exercise
Guitar/Piano	Snowmobiling/Boating

REFERENCES

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