

Julia Victoria Vehar

Curriculum Vitae

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EDUCATION

University of Utah, Department of Psychology

Salt Lake City, UT

Clinical Neuropsychology Doctoral Program Student

M.S. 2022, Ph.D. Expected: 2025

- Supervisor: Matthew Euler, Ph.D., Assistant Professor University of Utah
- Thesis (defended June 2022): Examining the Clinical Potential of the Concurrent EEG Aperiodic Slope in Cognitive Testing

University of Rochester

Rochester, NY

Psychology, B.A. - Cum Laude

May 2017

Brain & Cognitive Sciences, B.S. with a concentration in Neuropsychology - Cum Laude

May 2017

- Dean's List: 5/7 semesters
- Awarded Distinction in Brain and Cognitive Sciences

Danish Institute for Study Abroad (DIS)

Copenhagen, Denmark

Concentration in Neuroscience and Psychology

Spring 2016

HONORS & AWARDS

2020 Clayton Research Fellowship, Department of Psychology, University of Utah

PUBLICATIONS

- Vehar, J., Duff, K., Rahimpour, S., Dunn, D., Ballard, J., Zorn, M. S., Moretti, P., & Rolston, J. (in preparation). *The cognitive profile of essential tremor on the Repeatable Battery for the Assessment of Neuropsychological Status.*
- Euler, M. J., Vehar, J. V., & Guevara, J. E. (chapter in press). Theories of intelligence. To appear in: *Handbook of Clinical Child Psychology: Theory to Practice.* J. Matson (Ed.). Springer.
- Alluri, P. R., Solit, J., Leveroni, C. L., Goldberg, K., Vehar, J. V., Pollak, L. E., Colvin, M. K., & Perez, D. L. (2020) Cognitive complaints in motor functional neurological (conversion) disorders: A focused review and clinical perspective. *Cognitive and Behavioral Neurology, 33*, 77-89.
<https://doi.org/10.1097/wnn.0000000000000218>

PROFESSIONAL/ACADEMIC PRESENTATIONS

- Vehar, J., Pathania, A., Clark, M., Lohse, K., & Euler, M. (2023, February). *Effects of age and task difficulty on the presence of EEG midline-frontal theta power during administration of the Repeatable Battery for the Assessment of Neuropsychological Status-Update (RBANS).* Poster presentation accepted for the 50th annual meeting of the International Neuropsychological Society, San Diego, California.
- Geiger, A. R., Guevara, J., Vehar, J., Suhrie, K., Dixon, A., Duff, K., & Euler, M. (2023, February). *Investigating the relationship between neuropsychological test performance and electrophysiological measures of semantic functioning in Alzheimer's disease.* Poster presentation accepted for the 50th annual meeting of the International Neuropsychological Society, San Diego, California.
- Vehar, J., Guevara, J., Pathania, A., Clark, M., Geiger, A., Lohse, K., & Euler, M. (2022, February). *Sensitivity of the EEG aperiodic slope and offset to age and task demand during neuropsychological task performance.* Poster virtually presented at: The International Neuropsychological Society, New Orleans, LA.
- Guevara, J., Vehar, J., Geiger, A., & Euler, M. (2022, February). *Investigating the relationship between physiological and self-report measures of mental effort during cognitive demand.* Poster virtually presented at: The International Neuropsychological Society, New Orleans, LA.

- McKinney, T., **Vehar, J.**, Guevara, J., & Euler, M. (2020, February). *Acculturation, but not ethnicity, relates to test taking approach on Raven's matrices*. Poster presented at: The International Neuropsychological Society, Denver, CO.
- McKinney, T., Guevara, J., **Vehar, J.**, & Euler, M. (2020, February). *Higher fluid intelligence is related to higher task engagement, but not task effort*. Poster presented at: The International Neuropsychological Society, Denver, CO.
- Amada, N., Wilmerding, K., Chugg, A., & **Vehar, J.** (2016, May) *Implicit learning: Unconscious attitude formation*. Poster presented at: Danish Institute for Study Abroad End of Semester Showcase, Copenhagen, Denmark.

RESEARCH EXPERIENCE

University of Utah, Department of Psychology **Salt Lake City, UT**
Graduate Research Assistant: Neuropsychology and Neural Dynamics (NND) Lab *2019 - Present*
 Supervisor: Matthew Euler, Ph.D., Assistant Professor University of Utah

Massachusetts General Hospital – Psychology Assessment Center **Boston, MA**
Project: Functional Neurological Disorder (FND) & Related Conditions: A Retrospective Chart Review *2018 - 2019*
 Supervisors: Molly Colvin, Ph.D., ABPP, Assistant Professor Harvard Medical School & David Perez, M.D., M.M.S.c

Project: Predictive Ability of Cognitive Screening Tools for Neurodegenerative Conditions *2018 - 2019*
 Supervisor: Molly Colvin, Ph.D., ABPP, Assistant Professor Harvard Medical School

University of Rochester **Rochester, NY**
Concepts, Actions, and Objects (CAOs) Lab – fMRI & Cognitive Assessments Pre/Post-Operative *Spring 2017*
 Supervisor: Bradford Mahon, Ph.D., Associate Professor Carnegie Mellon University

Information Processing Lab – EEG & Cognitive Assessments with Alzheimer's Disease *Fall 2015*
 Supervisors: Robert Chapman, Ph.D., Professor University of Rochester

Developmental and Behavioral Pediatrics – Children on the Autism Spectrum with Selective Mutism *Spring 2015*
 Supervisor: Laura Silverman, Ph.D., Associate Professor University of Rochester Medical Center

University of California, Berkeley **Berkeley, CA**
Graduate School of Education – Literacy & Development Across the Lifespan *Summer 2015*
 Supervisor: Anne Cunningham, Ph.D., Professor University of California Berkeley Graduate School of Education

CLINICAL EXPERIENCE

Intermountain Medical Center (IMC) – Primary Children's Hospital **Salt Lake City, UT**
Student Trainee *2022 - Present*
 Supervisor: John Fulton, Ph.D., ABPP/CN

- Administered neuropsychological assessments and completed reports for pediatric clients (ages 6-17) with a range of presenting concerns, including:
 - Attention-deficit/hyperactivity disorder, spina bifida, epilepsy, genetic disorders, learning disabilities, autism spectrum disorder, traumatic brain injuries, stroke, chronic medical conditions, mood and anxiety disorders
- Aided in assessment for in-patient clients

University of Utah – Huntsman Mental Health Institute (HMHI) **Salt Lake City, UT**
Student Trainee *2021 - 2022*
 Supervisor: Kelly Konopacki, Ph.D.

- Completed full assessments and reports for clients (ages 20-80+) with a range of presenting concerns, including:
 - Attention-deficit/hyperactivity disorder, Alzheimer's disease, traumatic brain injuries, chronic medical conditions, mood and anxiety disorders
- Aided in concussion assessments (ImPACT) for the local professional soccer league

Intermountain Medical Center (IMC) – Neuro Specialty Rehabilitation Center

Murray, UT

Student Trainee

2021 - 2022

Supervisors: Kristina Kwan, Psy.D.; Erica Chenoweth, Ph.D.; Bruce Jasper, Ph.D.

- Conducted intakes and therapeutic interventions based on cognitive behavioral therapy (CBT), mindfulness, motivational interviewing, dialectical behavior therapy (DBT), and pain management strategies in an in-patient setting
- Managed a caseload of 4-5 patients diagnosed a wide range of neurological, medical, and psychiatric conditions including:
 - Stroke, brain tumors, traumatic brain injuries, diabetes, West Nile virus meningoencephalitis, functional neurological disorder, COVID-19, spinal cord injury, post-transplant recovery, multitrauma, debility, and mood and anxiety disorders
- Administered neuropsychological screening measures to track orientation and cognitive fluctuations
- Worked with translators to appropriately administer interventions and cognitive tests for non-English speaking patients
- Assisted in completion of presurgical WADA exams for patients with epilepsy
- Attended weekly team meetings and presented relevant information regarding assigned patients
- Observed administration of occupational therapy, physical therapy, and speech therapy services

University of Utah - Cognitive Concerns Clinic (CCC)

Salt Lake City, UT

Assessment Trainee

2019 - Present

Supervisors: Yana Suchy, Ph.D., Associate Professor and Clinical Neuropsychology Program Director

University of Utah; Matt Euler, Ph.D., Assistant Professor University of Utah

- Participated in assessment of older adults (ages 60+) in the local community with cognitive concerns
- Aided in composition of brief reports and participated in case conceptualization discussions with the team
- Administered cognitive screening measures to older adults with cognitive concerns in a local rural community to promote access to neuropsychological services

University of Utah – University Counseling Center (UCC)

Salt Lake City, UT

Clinical Psychology & Assessment Practicum Trainee

2020 - 2021

Supervisors: Scott Langenecker, Ph.D., Professor University of Utah; Sommer Thorgusen, Ph.D., Assistant

Professor University of Utah; Feea Leifker, Ph.D., Research Assistant Professor University of Utah

- Implemented a cognitive behavioral therapy (CBT) protocol for assigned clients at the UCC
- Completed full assessments and integrative reports for assigned clients
- Received training in creating a Crisis Response Plan for individuals with active suicidal ideation
- Conducted bi-weekly individual intakes
- Participated in weekly team meetings

Massachusetts General Hospital – Psychology Assessment Center

Boston, MA

Psychometrician/Neuropsychology Technician

2017 - 2019

Director: Janet Sherman, Ph.D., Associate Professor Harvard Medical School

- Administered neuropsychological assessments (see Appendix A for a list of measures) to clinical patients ages 5-80+ under the supervision of 13 licensed neuropsychologists to assess intelligence, premorbid functioning, executive functioning, visuospatial abilities, language skills, memory, fine motor functioning, behavior, and psychological well-being
- Assessed patients with a wide range of neurological, medical, and psychiatric conditions including

- Pediatric: brain tumors, epilepsy, sensorineural hearing loss, genetic disorders, learning disabilities, autism spectrum disorders, tic disorders, obsessive-compulsive disorder and related disorders, ADHD, and mood and anxiety disorders
- Adult: Alzheimer's disease and other dementias, Parkinson's disease, multiple sclerosis, stroke, brain tumors, epilepsy, traumatic brain injuries, HIV, intellectual disabilities, functional neurological disorder, and mood and anxiety disorders
- Scored and analyzed neuropsychological assessments using normative data
- Assisted in training newly hired psychometricians, practicum students, and pre-doctoral interns in testing and scoring procedures
- Participated in weekly seminars to discuss current clinical and research topics in neuropsychology with practicum students, pre-doctoral interns, post-doctoral fellows, and staff neuropsychologists
- Ensured the clinic ran smoothly by organizing testing rooms and completing other administrative tasks as needed

TEACHING EXPERIENCE

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| Psychology as a Science & Profession – University of Utah <i>Graduate Teaching Assistant</i> | Salt Lake City, UT <i>Fall 2022 - Present</i> |
| Cognitive Neuropsychology – University of Utah <i>Graduate Instructor</i> | Salt Lake City, UT <i>Summer 2022</i> |
| Clinical Assessment IV – University of Utah <i>Graduate Teaching Assistant</i> | Salt Lake City, UT <i>Spring 2022</i> |
| Clinical Assessment III – University of Utah <i>Graduate Teaching Assistant</i> | Salt Lake City, UT <i>Fall 2021</i> |
| Research Methods – University of Utah <i>Graduate Teaching Assistant</i> | Salt Lake City, UT <i>Fall 2019, Spring 2020, Spring 2021</i> |
| Principles & Techniques of Assessment I – University of Utah <i>Graduate Teaching Assistant</i> | Salt Lake City, UT <i>Fall 2020</i> |
| Principles of Biology II – University of Rochester <i>Undergraduate Teaching Assistant</i> | Rochester, NY <i>Spring 2017</i> |
| Learning Center - Campolindo High School <i>Peer Teaching Assistant</i> | Moraga, CA <i>2011 - 2012</i> |

PROFESSIONAL SERVICE

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| Society for Clinical Neuropsychology's Public Interest Advisory Committee <i>Community Outreach Subcommittee (COS) Student Member</i> | <i>Spring 2022 - Present</i> |
| International Neuropsychological Society Conference <i>Volunteer Coordinator</i> | <i>2022, 2023</i> |
| ANST Interest Group of University of Utah <i>Interest Group Student Representative</i> | Salt Lake City, UT <i>2020 - Present</i> |
| Clinical Training Committee <i>Student Representative</i> | Salt Lake City, UT <i>Fall 2021 – Present</i> |

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| Clinical Psychology Professional Development Q&A – University of Utah <i>Graduate Student Panel Member</i> | Salt Lake City, UT <i>Fall 2021</i> |
| Social Connection Group <i>Senior Student Mentor</i> | Salt Lake City, UT <i>2020-Present</i> |
| Diversity Committee – University of Utah <i>Committee Member</i> <i>Diversity Graduate School Application Advisory Mentor</i> <i>Out & About Diversity Subcommittee Member</i> | Salt Lake City, UT <i>2019 – Present</i> <i>2020 – Present</i> <i>2022 - Present</i> |
| Rural Outreach <i>Test Administrator</i> | Logan, UT <i>Spring 2021</i> |
| Mathematics, Engineering, Science Achievement (MESA) Outreach <i>Presenter on Neuropsychology as a Science and Profession</i> | Salt Lake City, UT <i>Spring 2021</i> |
| Senior Expo – Mountain America Expo Center <i>Test Administrator & Booth Staff</i> | Salt Lake City, UT <i>Fall 2019</i> |
| Partners in Reading: Project Reach <i>Reading Tutor in Bilingual 2nd Grade Classroom</i> | Rochester, NY <i>2014 - 2016</i> |
| Autism Spectrum Disorder Music Therapy - Hochstein School of Music <i>Student Assistant</i> | Rochester, NY <i>2013 - 2014</i> |
| Bay Area Girls Rock Camp <i>Vocal Coach & Camp Counselor</i> | Oakland, CA <i>Summer 2014</i> |
| Kindred at Home <i>Music Therapy for Bereavement Hospice Volunteer</i> | Pleasant Hill, CA <i>Summer 2014</i> |

PROFESSIONAL MEMBERSHIPS

- Society for Clinical Neuropsychology – Division 40 (SCN)
- Association of Neuropsychology Students and Trainees (ANST)
- International Neuropsychological Society (INS)
- American Psychological Association (APA)
- Queer Neuropsychological Society (QNS)
- Women in Neuropsychology (WIN)
- Functional Neurological Disorder Society (FNDS)

SPECIAL TRAININGS

- IMC Patient Transfers Training (2021)
- APA: Telepsychology's Best Practices 101; Modules 1-3 (2020)
- MGH Psychiatry Academy Cultural Sensitivity Training (2018)
- Mental Health First Aid USA Certification (2018)

Software:

- Proficient in Python, MATLAB, Microsoft Office, SPSS, R, & BrainVoyager

Appendix A

Measures administered and scored for research and clinical purposes

Intellectual Ability

- Wechsler Adult Intelligence Scale – 4th ed. (WAIS-IV)
- Wechsler Adult Intelligence Scale – 3rd ed. (WAIS-III)
- Wechsler Abbreviated Scale of Intelligence – 2nd ed. (WASI-II)
- Wechsler Intelligence Scale for Children – 5th ed. (WISC-V)
- Wechsler Intelligence Scale for Children – 4th ed. (WISC-IV)
- Wechsler Preschool & Primary Scale of Intelligence – 4th ed. (WPPSI-IV)
- Leiter International Performance Scale – 3rd ed. (Leiter-3)
- Test of Nonverbal Intelligence – 4th ed. (TONI-4)

Estimated Premorbid Intelligence

- Wechsler Test of Adult Reading (WTAR)
- Test of Premorbid Functioning (ToPF)

Cognitive Screen

- Orientation Log (O-Log)
- Cognitive Log (Cog-Log)
- Mini Mental Status Exam (MMSE)
- Addenbrooke's Cognitive Examination – Revised (ACE-R)
- Addenbrooke's Cognitive Examination III (ACE-III)
- The Montreal Cognitive Assessment (MoCA)
- Kaplan Baycrest Neurocognitive Assessment (KBNA)
- Repeatable Battery for the Assessment of Neuropsychological Status (RBANS)

Academic Achievement

- Wechsler Individual Achievement Tests – 3rd ed. (WIAT-III)
- Gray Oral Reading Test – 5th ed. (GORT-5)
- Gray Silent Reading Test (GSRT)
- Test of Written Language – 4th ed. (TOWL-4)
- Oral and Written Language Scales – 2nd ed. (OWLS-II)
- Nelson-Denny Reading Test (NDRT)
- Test of Word Reading Efficiency – 2nd ed. (TOWRE-2)
- Woodcock-Johnson Tests of Achievement – 4th ed. (WJ-IV)
- Wide Range Achievement Test – 4th ed. (WRAT-4)
- Wide Range Achievement Test – 5th ed. (WRAT-5)

Attention & Executive

- Delis-Kaplan Executive Function System (D-KEFS)
- Brief Test of Attention (BTA)
- Controlled Oral Word Association (COWA)
- Stroop Color and Word Test
- Symbol Digit Modalities Test (SDMT)
- Trail Making Test
- Color Trails
- Paced Auditory Serial Addition Test (PASAT)
- Auditory Consonant Trigrams Test (ACT)
- Wisconsin Card Sorting Test (WCST)

- Conners' Continuous Performance Test – 2nd ed. (CPT-II)
- Conners' Continuous Performance Test – 3rd ed. (CPT-3)
- Conners' Kiddie Continuous Performance Test (K-CPT)
- Conners' Kiddie Continuous Performance Test – 2nd ed. (K-CPT 2)
- Conners' Continuous Auditory Test of Attention (CATA)
- Iowa Gambling Task
- A Developmental Neuropsychological Assessment – 2nd ed. (NEPSY-II)
- Penn State University Symbol Cancellation Task (PSUSCT)

Language

- Auditory Naming Test
- Boston Naming Test (BNT)
- Expressive Vocabulary Test – 2nd ed. (EVT-2)
- Expressive One-Word Picture Vocabulary Test – 4th ed. (EOWPVT-4)
- Receptive One-Word Picture Vocabulary Test – 4th ed. (ROWPVT-4)
- Peabody Picture Vocabulary Test – 4th ed. (PPVT-4)
- Test for Auditory Comprehension of Language – 4th ed. (TACL-4)
- Comprehensive Assessment of Spoken Language (CASL)
- Comprehensive Test of Phonological Processing – 2nd ed. (CTOPP-2)
- Boston Diagnostic Aphasia Examination (BDAE)
- Pyramids and Palm Trees Test
- Menyuk Syntactic Comprehension

Visuospatial

- Beery Developmental Test of Visual Motor Integration – 6th ed. (VMI-6)
- Hooper Visual Organization Test (HVOT)
- Benton Judgment of Line Orientation
- Benton Facial Recognition
- Benton Visual Form Discrimination
- Motor Visual Perception Test -3rd ed. (MVPT-3)

Memory

- Wechsler Memory Scale – 4th ed. (WMS-IV)
- Wechsler Memory Scale – 3rd ed. (WMS-III)
- California Verbal Learning Test – 2nd ed. (CVLT-II)
- California Verbal Learning Test – 3rd ed. (CVLT-3)
- California Verbal Learning Test – Children's Version (CVLT-C)
- Children's Memory Scale (CMS)
- Wide Range Assessment of Memory & Learning – 2nd ed. (WRAML-2)
- Hopkins Verbal Learning Test – Revised (HVLTR)
- Neuropsychological Assessment Battery (NAB), Daily Living Memory, Judgment
- Brief Visuospatial Memory Test – Revised (BVMT-R)
- Six-Trial Selective Reminding Test
- 7/24 Spatial Recall Test
- Rey-Osterrieth Complex Figure Test
- Free and Cued Selective Reminding Test (FCSRT)
- Three Words Three Shapes Test

Fine Motor

- Grooved Pegboard
- Purdue Pegboard

Performance & Symptom Validity

- Test of Memory Malingering (TOMM)
- Rey-15
- Green's Word Memory Test
- Dot Counting Test
- Structured Inventory of Malingered Symptomatology (SIMS)
- The Medical Symptom Validity Test (MSVT)

Psychological & Executive Functioning

- Apathy Evaluation Scale (AES)
- Behavior Rating Inventory of Executive Functioning (BRIEF)
- Behavior Rating Inventory of Executive Functioning – 2nd ed. (BRIEF-2)
- Behavior Assessment System for Children – 2nd ed. (BASC-2)
- Behavior Assessment System for Children – 3rd ed. (BASC-3)
- Child Behavior Checklist (CBCL 1.5-5)
- Child Symptom Inventory – 4th ed. (CSI-4)
- Child & Adolescent Symptom Inventory – 5th ed. (CASI-5)
- Early Childhood Symptom Inventory – 4th ed.
- Adolescent Symptom Inventory – 4th ed.
- Social Responsiveness Scale – 2nd ed. (SRS-2)
- Frontal Systems Behavior Scale (FrSBe)
- Everyday Cognition
- ADHD Behavior Checklist
- Patient Health Questionnaire (PHQ-9)
- Generalized Anxiety Disorder 7-Item Scale (GAD-7)
- Geriatric Depression Inventory (GDI)
- Geriatric Anxiety Inventory (GAI)
- Beck Depression Inventory – 2nd (BDI-II)
- Beck Anxiety Inventory (BAI)
- Beck Hopelessness Scale (BHS)
- Beck Youth Inventories – 2nd ed.
- State-Trait Anxiety Inventory (STAI)
- Personality Assessment Inventory (PAI)
- Personality Assessment Inventory (PAI) – Adolescent
- SPECTRA – Indices of Pathology
- Minnesota Multiphasic Personality Inventory – 2nd ed. (MMPI-2)
- Functional Assessment of Cancer Therapy – Brain (FACT-Br)
- Patient-Reported Outcomes Measurement Information System Cognitive Functional Abilities– 8a (PROMIS-8a)
- Pittsburgh Sleep Quality Index (PSQI)
- Epworth Sleepiness Scale for Children and Adolescents (ESS-CHAD)
- Structured Clinical Interview for DSM-5 (SCID-5)
- Ritvo Autism & Asperger Diagnostic Scale (RAADS-14)
- Anxiety Sensitivity Index – 3 (ASI-3)
- Informant Questionnaire on Cognitive Decline in the Elderly (IQCODE)

Adaptive Functioning

- Scales of Independent Behavior – Revised (SIB-R)
- Vineland Adaptive Behavior Scales – 2nd ed.
- Vineland Adaptive Behavior Scales – 3rd ed.
- Activities of Daily Living Questionnaire (ADLQ)

- Independent Living Scales (ILS)