

# Jeffrey Scott Karst

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## EDUCATION

- August 2008 – Present      Marquette University  
Milwaukee, WI  
Clinical Psychology Doctoral Program (APA Accredited)  
*Degrees Conferred:* Master of Science, December 2010
- August 2003 – May 2007      Gonzaga University  
Spokane, WA  
Major: Psychology, Minor: Public Relations  
*Degrees Conferred:* Bachelor of Arts, Cum Laude, May 2007

## CLINICAL EXPERIENCE

- August 2010 - Present      Froedtert Hospital/Medical College of Wisconsin  
Pediatric Neuropsychology Practicum  
Supervisors: Jennifer Koop, Ph.D.; Jessica Luepke, M.S.
- Supervised experience learning, administering, and scoring a variety of neuropsychological test batteries with children ages 6 to 18
  - Assistance with case conceptualization and report writing; participation in intake interviews and feedback sessions
- August 2008 - Present      Marquette Center for Psychological Services  
Supervisors: Alyson C. Gerdes, Ph.D.; John H. Grych, Ph.D.
- Supervised experience including both comprehensive psychological evaluations as well as providing supervised psychotherapeutic services to child and adult clients
- August 2008 - Present      Marquette Autism Clinic  
Supervisor: Amy Vaughan Van Hecke, Ph.D.
- Administration of ADI-R, ADOS-G, and other cognitive, behavioral, adaptive, and social assessment measures as part of autism spectrum disorders evaluation
  - Provide feedback for families which includes comprehensive report, interpretation of test results, and discussion of autism diagnosis, if applicable
  - Assist with parent and child components of the Program for the Education and Enrichment of Relational Skills (PEERS), a social skills training group for adolescents with Asperger syndrome and high functioning autism

August 2008 – June 2010

Marquette Attention Deficit/Hyperactivity Disorder Clinic

Supervisor: Alyson C. Gerdes, Ph.D.

- Conducted comprehensive assessment of Attention Deficit/Hyperactivity Disorder and related disruptive behavioral disorders; Provided behavioral modification parent training and school intervention to families of children diagnosed with ADHD.

May 2007 – July 2008

Family Support Services of North Idaho

Supervisor: Katelyn Pool, B.S., D.S.

- Provided individualized one-on-one therapy for children with wide range of developmental disabilities including autism spectrum disorders. Conducted full behavioral assessments and wrote individual therapy plans
- Completed state certification as an Intensive Behavioral Intervention (IBI) professional

October 2005 – May 2007

Nurture KnowHow (Year for Change)

Supervisor: Deborah Skalabrin, MSW, LICSW

- Provided intensive, in-home, one-on-one therapy through program which emphasized teaching of relational skills through behavioral modification and biological monitoring.

**RESEARCH EXPERIENCE**

Fall 2008 – Present

Marquette University - Autism and Neurodevelopment Lab

Amy Vaughan Van Hecke, Ph.D.

- Primary graduate research program dedicated to understanding the social and neural development of children with Autism Spectrum Disorders (ASDs) and their parents and caregivers
- Responsibilities include administration of assessment measures for research protocols, electroencephalograph (EEG) and heart rate data collection and analysis, literature exploration and review, and methodological and statistical analysis
- Current studies include parent and child outcome measures following PEERS group, assessment of neural response to familiar and unfamiliar faces in children with ASD, assessment of clinical and neuropsychological outcomes from ASD evaluations, and assessment of infant heart rate and temperament correlates

Fall 2008 – Summer 2009

Marquette University - Trauma and Meaning Making Lab

Ed de St. Aubin, Ph.D. & Terri deRoon-Cassini, Ph.D.

- Research included assisting with longitudinal study exploring qualitative and quantitative factors associated with trauma and meaning making; individual participation included conducting interviews and reviewing methodology

Spring 2007 – Spring 2008     Gonzaga University - Communication Styles Research Lab  
 Michael Hazel, Ph.D.

- Research included investigation into differences in communication styles between identical and fraternal twin pairs; individual participation included subject recruitment, survey construction, and data analysis

Fall 2006 – Spring 2007     Gonzaga University - Contextual Behavior Therapies Lab  
 Patrick Mulick, Ph.D.

- Research included variety of topics including contextual behavior therapies, treatments for comorbid Major Depression and PTSD, prejudice and discrimination, and exploration of various aspects of sexual coercion; individual participation included methodology development, statistical analysis, and empirical article critique and review

**TEACHING EXPERIENCE**

Fall 2008 - Current     Marquette University – Graduate Teaching Assistant

Fall 2010, Spring 2011	<u>Graduate Assessment I &amp; II Lab</u> <i>Alyson C. Gerdes, Ph.D.</i> <i>Astrida Kaugars, Ph.D.</i> <i>James Hoelzle, Ph.D.</i>
Fall 2009, Spring 2010	<u>Research Methods in Psychology Lab</u> <i>Nakia Gordon, Ph.D.</i>
Spring 2009	<u>Developmental Psychology</u> <i>Ed de St. Aubin, Ph.D.</i>
Fall 2008, Spring 2009	<u>Introduction to Psychology</u> <i>Matthew J. Sanders, Ph.D.</i> <i>Kimberly Norden, Ph.D.</i>
Fall 2008	<u>Social Psychology</u> <i>Stephen Franzoi, Ph.D.</i>

Fall 2007 – Spring 2008     Skyway Elementary School – Special Education Support Staff

- Intensive Behavioral Intervention Specialist
- Coeur d’Alene, Idaho Public School District

Fall 2006     Gonzaga University – Teaching Assistant

- Undergraduate Research Methods in Psychology
- Professor: Anna Marie Medina, Ph.D.

**PRESENTATIONS & PUBLICATIONS**

**Karst, J.,** Meyer, A., Schohl, K., Dolan, B., Beste, E., Houge, M., Laugeson, E.A., & Van Hecke, A.V. (2011). PEERS Pilot: A Replication and Extension of An Empirically Validated Treatment for Adolescents with Autism Spectrum Disorders. Poster presented at International Meeting for Autism Research (IMFAR), San Diego, CA.

Dolan, B., Houge, M., Beste, E., **Karst, J.**, Meyer, A., Schohl, K., & Van Hecke, A. (2011). Relations between in vivo child joint attention and parent ratings of child withdrawn behavior. Poster to be presented at the conference of the Midwestern Psychological Association, Chicago, IL.

Houge, M., Beste, E., Dolan, B., **Karst, J.**, Meyer, A., Schohl, K., & Van Hecke, A. (2011). Heart Rate Regulation and Child Behavior Checklist Sub-Scores in Typically Developing Children. Poster submitted to the Midwestern Psychological Association annual meeting, Chicago, IL.

Gardner, D., **Karst, J.**, Fitzgerald, C., Kaugars A., Kichler, J. (2011). The impact of treatment adherence and family conflict on the quality of life of families of adolescents with Type 1 Diabetes Mellitus. Poster presented at Children's Research Institute (CRI) Conference, Milwaukee, WI.

Meyer, A., Van Hecke, A. V., **Karst, J.**, & Schohl, K. (2011). EEG coherence in children with autism spectrum disorders. Poster presented at the Society for Research in Child Development Biennial Meeting, Montreal, Quebec, Canada.

Meyer, A., **Karst, J.**, Van Hecke, A.V. (2010). EEG Coherence and social behavior in children with autism spectrum disorder. Poster presented at the International Meeting on Autism Research, Philadelphia, PA.

Meyer, A., **Karst, J.**, Van Hecke, A.V. (2010). Contributions of Parieto-Temporal Connectivity to Social Behavior in Autism Spectrum Disorders. (Submitted to Journal of Autism and Developmental Disorders, Not Accepted for Publication)

Gardner, D., **Karst, J.**, Fitzgerald, C., Kaugars A., Kichler, J. (2010). The impact of treatment adherence and family conflict on the quality of life of families of adolescents with Type 1 Diabetes Mellitus. Poster presented at Midwest Psychological Association Conference, Chicago, IL.

**Karst, J.** and Van Hecke, A.V. (2009). Child and Caregiver social behavior & joint attention changes following PLAY Project Intervention. Poster presented at Marquette University Forward Thinking Research Conference, Milwaukee, WI.

**Karst, J.**, Abbott, E., Valvano, A., and deRoon-Cassini, T. (2009). Threat of Financial Resource Loss and Long-Term Trauma Outcomes. Poster presented at International Society for Traumatic Stress Studies Conference, Atlanta, GA.

Meyer, A., **Karst, J.**, and Van Hecke, A.V. (2009). Contributions of Parieto-Temporal Brain Activity, Medial-Frontal Brain Activity, and Vagal Control of the Heart to Social Skills in Children with Autism. Poster presented at International Meeting for Autism Research, Chicago, IL.

Mulick, P., Vito, S., Chaffee, L., Connolly, M., and **Karst, J.** (2006). Developmental of Behavioral Activation Scale. Poster presented at Spokane Intercollegiate Research Conference. Spokane, WA.

### **SUBMITTED GRANT FUNDING APPLICATIONS**

**Karst, J.** and Van Hecke, A.V. (2010) Child and Caregiver social behavior & joint attention changes following PLAY Project Intervention Marquette University Forward Thinking (Not Accepted).

### **INVITED TALKS**

**Karst, J.** "Autism Spectrum Disorders." (2011). Talk given to undergraduate Abnormal Psychology class, Mount Mary University.

**Karst, J.** "Awareness and Mental Health." (2011). Talk given at regional Active Minds conference, Milwaukee, WI.

**Karst, J.** "The Path to Graduate School." (2010). Talk given to Marquette University Psi Chi chapter.

**Karst, J.** "Understanding Autism and other Developmental Disabilities." (2010). Talk given to undergraduate Abnormal Psychology class, Marquette University.

### **PROFESSIONAL CERTIFICATIONS & AWARDS**

- Milwaukee Area Psychological Association – Graduate Student Professionalism Award
- American Psychological Association – Graduate Student Affiliate
- Intensive Behavioral Intervention Professional Certification – Idaho Training Cooperative

### **LEADERSHIP POSITIONS**

- Marquette Clinical Psychology Doctoral Program – Clinic Assistant
- Marquette Clinical Psychology Doctoral Program – Graduate Student Representative
- Marquette Clinical Psychology Doctoral Program – APA Graduate Student Representative

### **REFERENCES**

Amy Vaughan Van Hecke, Ph.D.  
Assistant Professor of Psychology  
Marquette University  
amy.vanhecke@marquette.edu  
(414)288-7258

Alyson C. Gerdes, Ph.D.  
Assistant Professor of Psychology  
Marquette University  
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John H. Grych, Ph.D.  
Professor of Psychology  
Marquette University  
Director, Center for Psychological Services  
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Stephen M. Saunders, Ph.D.  
Associate Professor of Psychology  
Marquette University  
Director of Graduate Training  
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Jessica Luepke, M.S.  
Lead Technician, Pediatric Neuropsychology  
Medical College of Wisconsin  
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Jennifer Koop, Ph.D.  
Pediatric Neuropsychologist, Practicum Director  
Medical College of Wisconsin  
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