

EMMA GURCHIEK

EDUCATION

University of Pittsburgh,
Pittsburgh, PA (April 2024)
Master of Science in Athletic Training
GPA: 4.00

College of the Holy Cross,
Worcester, MA (May 2019)
Honors B.A.: Psychology
Minor: Neuroscience
GPA: 3.81
Honors: *Magna Cum Laude*

INTERCOLLEGIATE ATHLETICS

Holy Cross Women's Soccer,
NCAA Division 1

Holy Cross Women's Swimming,
NCAA Division 1

CERTIFICATIONS

Board of Certification,
Certified Athletic Trainer (ATC)

**PA Department of Health Bureau
of Emergency Medical Services,**
EMT-B

American Heart Association,
Basic Life Support (CPR and AED)

PROFESSIONAL EXPERIENCE

University of Pittsburgh Neuromuscular Research Laboratory,
Research Program Manager June 2024-Present

Managing ARMOR study including IRB compliance, grant maintenance,
recruitment, data collection, and development of safety protocols
Research Assistant May 2023-June 2024

Conducted strength training intervention in BoBCAT study, participant
communication, data collection, screening calls, data entry

University of Pittsburgh Special Olympics Fitness Study,
Researcher April 2023-Present

Executing data collection, analysis, and manuscript preparation for study
examining physical fitness metrics in Special Olympics athletes

University of Pittsburgh Attention in Babies and Children Lab,
Research Assistant September 2021-August 2022

Coded infant gaze behavior in New(born) Pittsburgh ADHD Risk in
Infancy Study while infants completed attention related tasks

Carnegie Mellon University Cognitive Development Lab,
Lab Manager August 2020-August 2021

Conducted data collection, stimuli development, managed IRB
compliance, coordinated relationships with external partners, managed
student projects, transitioned lab to remote data collection

Research Assistant August 2019-August 2020

Executing data collection, stimuli development, manuscript preparation
Research areas: sustained attention, cognitive development, optimizing
text layout to aid early readers, visual working memory, language
inference ability in children, anti-racism

Carnegie Mellon University Infant Language and Learning Lab,
Lab Manager August 2019-August 2020

Conducted data collection, stimuli generation, data analysis, supervised
undergraduate researchers, managed IRB compliance, coordinated with
international partners in Qatar and Saudi Arabia

Research areas: statistical learning, language acquisition, efficacy of
'video book' platforms, bilingualism and executive function relationship,
implicit gender biases across cultures

Holy Cross Cognitive Neuroscience Lab,
Research Assistant March 2017-May 2019

Executed procedural design, data collection, statistical analysis,
manuscript preparation, presentation of research at academic conferences
Research Areas: cognitive control to improve SUD classification, eating
disorder and reward, unconscious detection in radiology, visual search

Weiss Summer Science Research Program
Research Assistant Summer 2018

Designed and conducted original pilot study on unconscious detection of
soccer penalty kick direction and motor priming and supported studies
involving male eating disorders, radiologists' unconscious detection of
nodules, and a literature review of radiology and eye tracking

PUBLICATIONS

- Boyd, M., Godwin, K. E., **Gurchiek, E.**, Fisher, A., & Eng, C. M. (2022). Low Spatial Proximity Between Text and Illustrations Improves Children's Comprehension and Attention: An Eye Tracking Study. In *Proceedings of the Annual Meeting of the Cognitive Science Society*.
<https://escholarship.org/content/qt1131r9kf/qt1131r9kf.pdf>
- Eng, C. M., **Gurchiek, E.**, Anjur, K., Godwin, K. E., & Fisher, A. (2021). The Optimal Amount of Visuals Promotes Children's Comprehension and Attention: An Eye Tracking Study. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 43, No. 43).
<https://escholarship.org/uc/item/1131r9kf>
- Senecal, G., **Gurchiek, E.**, & Slattery, E. (2017). The brain and beyond in the aftermath of head trauma - a systems view of development for contact sport athletes. *Cogent Psychology*, 4(1), 1330935.
<https://doi.org/10.1080/23311908.2017.1330935>

POSTERS & PRESENTATIONS

- Boyd, M., **Gurchiek, E.**, Godwin, K., Fisher, A., Eng, E. (2021, November). Children's Attention Allocation and Learning: an Eye-Tracking Study on Storybook Layout Design. Presented at the International Society for Developmental Psychobiology, Virtual.
- Gurchiek, E.** (2019, April). Processing Penalty Kicks: An Exploration of Soccer and the Unconscious. Presented at the Holy Cross Academic Conference, Worcester, MA.
- Gurchiek, E.**, Sorcini, F., Hall, J., Rabinovich, M., DiGirolamo, G.J. (2018, September). Penalty Kicks in Soccer: Exploring the Unconscious Brain. Presented at the College of the Holy Cross Undergraduate Research Symposium, Worcester, MA.
- Sorcini, F., Hall, J., **Gurchiek, E.**, Hayaki, J., DiGirolamo, G.J. (2018, September). Cognitive Control to Food and Reward Cues in Males. Presented at the College of the Holy Cross Undergraduate Research Symposium, Worcester, MA.
- Hall, J., Sorcini, F., **Gurchiek, E.**, Rabinovich, M., DiGirolamo, G.J. (2018, September). Unconscious Detection of Cancerous Stomach Nodules. Poster presented at the College of the Holy Cross Undergraduate Research Symposium, Worcester, MA.
- Fields, S., **Gurchiek, E.**, Ferre, C., Rabinovich, M., Orozco, L., Szkutak, A., O'Besso, K., Sorcini, F., Hall, J., Acheampong, S., Daryani, S. & Johnson, H. (2018, May). Unconscious Detection of a Target by Non-Experts. Presented at the 2018 Advanced Psychology Research Colloquium, College of the Holy Cross, Worcester, MA.
- Orozco, L., Theodhraqi, G., Szkutak, A., O'Besso, K., Sorcini, F., **Gurchiek, E.**, Hall, J., Ferre, C., Rabinovich, M., Acheampong, S., Daryani, S. & Johnson, H. (2018, May). Cognitive Control Breakdowns to Unhealthy Foods in Normal Weight Females. Presented at the 2018 Advanced Psychology Research Colloquium, College of the Holy Cross, Worcester, MA.
- Fields, S., Ferre, C., O'Besso, K., Garner, C., Theodhraqi, G., **Gurchiek, E.**, Patnaik, P., Andre, M. A., Szkutak, A., Rabinovich, M., Depestre, C., Acheampong, S., Orozco, L., & Daryani, S. (2017, May). Do emerging adults show similar cognitive control deficits to neutral cues as alcohol cues if the neutral cues are highly arousing or highly emotional? A pilot study. Presented at the 2017 Advanced Psychology Research Colloquium, College of the Holy Cross, Worcester, MA.
- Garner, C., O'Besso, K., Theodhraqi, G., **Gurchiek, E.**, Patnaik, P., Andre, M. A., Szkutak, A., Rabinovich, M., Fields, S., Ferre, C., Depestre, C., Acheampong, S., Orozco, L., & Daryani, S. (2017, May). Subthreshold alcohol use symptoms predict cognitive control deficits in emerging adults. Presented at the 2017 Advanced Psychology Research Colloquium, College of the Holy Cross, Worcester, MA.

ACADEMIC HONORS & AWARDS

2023 University of Pittsburgh NATA Student Ambassador

- One student per school in CAATE (Commission on Accreditation of Athletic Training Education) accredited MSAT programs is selected to be involved in this program, which is focused on maintaining a direct line of communication between MSAT students and NATA (National Athletic Trainer's Association) leadership

Holy Cross College Honors Program

- Highly selective multidisciplinary program with acceptance contingent upon high academic achievement, personal character, and community engagement
- Requirements included evening Honors Colloquia, Honors Seminars, and a senior thesis that culminated in a written manuscript and oral presentation at the Holy Cross Academic Conference

Psi Chi National Honor Society

- National Honor Society in Psychology - an affiliate with the American Psychological Association
- Holy Cross Requirements: GPA of 3.5 or above after completing five Psychology courses

College of the Holy Cross Dean's List

- Granted to students with a full course load, no failures, and a term GPA of 3.5 or higher
- Awarded either 1st Honors (above 3.7) or 2nd Honors (above 3.5) every semester at Holy Cross

Patriot League Academic Honor Roll

- Required a 3.2 GPA during the championship season of a Patriot League sport (NCAA Division 1)
- Earned 8 times - every soccer (Fall) and swimming (Winter/Spring) season at Holy Cross