

CHARES STEVEN GRUGAN

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1624 Pacific Drive
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EDUCATION

- BA** The University of Iowa December 2020
Major: Psychology, Minor: Human Relations
- Cumulative GPA: 3.93/4.33
 - Psychology GPA: 3.92/4.33

Thesis: "The Association Between Sleep Duration and Children's Aggressive Behaviors: Testing the P3 ERP as a Potential Mediator"

Advisor: Dr. Isaac T. Petersen

- The thesis examined the proposed neurological mechanism mediating children's sleep duration and aggressive behaviors.

- AA** Des Moines Area Community College December 2018
- Cumulative GPA: 3.82/4.00

HONORS AND AWARDS

- **APA Division 29 Student Poster Awards** Summer 2021
The University of Iowa, Iowa City, IA
Award total: \$500
- **President's List** Fall 2020
The University of Iowa, Iowa City, IA
- **Iowa Center for Research by Undergraduate Fellow Grant** Summer 2020
The University of Iowa, Iowa City, IA
Grant total: \$2500
- **Dean's List** Spring 2019–Spring 2020
The University of Iowa, Iowa City, IA
- **Phi Theta Kappa Society** (Honors Society) 2018
Des Moines Area Community College, Des Moines, IA
- **President's List** Fall 2018
Des Moines Area Community College, Des Moines, IA

RESEARCH EXPERIENCE

- Neurocognitive Development Lab**, Davis, CA July 2021–Present
Junior Specialist (Research Assistant), P.I.: Dr. Susan Rivera
- Conducting EEG/ERP and eye-tracking participant sessions
 - Analysis of EEG and eye-tracking data
 - Developing experimental stimuli and other research materials using Presentation, Matlab, and other software and programming environments. These duties involve creative and scholarly input which will have a direct impact on the experimental design

- Train and mentor undergraduate students on data collection, coding and analyses protocols. This will provide a university service in that they will be actively facilitating the participation of undergraduate students in research activities
- Maintenance of budgets, ordering supplies, and overseeing day-to-day running of the lab
- Preparing and maintaining IRB materials and ensuring compliance with those protocols

Developmental Psychopathology Lab, Iowa City, IA January 2021–July 2021

Research Assistant, P.I.: Dr. Isaac T. Petersen

- Trained new RA's to conduct EEG studies
- Administered a battery of assessments including WIPPSI and NIH ToolBox
- Scheduled and facilitate weekly lab meetings
- Assisted in revising lab guidelines to include COVID specific procedures

Telepsychology Meta-Analysis, Iowa City, IA March 2020–December 2021

Undergraduate Research Assistant, P.I.: Dr. Martin Kivlighan

- Conduct literature review process in collaboration with graduate students
- Contact researchers for clarification and to obtain needed data

Developmental Psychopathology Lab, Iowa City, IA May 2019–December 2020

Undergraduate Research Assistant, P.I.: Dr. Isaac T. Petersen

School Readiness Study examining how biological, psychological, and socio-contextual processes relate to the development of behavioral problems

- Examined inter-rater reliability of collected data and recoded data if necessary
- Administered EEG data collection sessions
- Conducted literature reviews on child psychology, assessment, and research methodology during weekly lab meetings
- Learned data processing and analyzing skills for EEG using GeoScan and Net Station

Cognitive Neurology Lab, Iowa City, IA December 2019–December 2020

Undergraduate Research Assistant, P.I.: Dr. Jan R. Wessel

Examination of Neural mechanisms in relation to behavior and cognition in young adult college populations

- Learned overall research process
- Administered EEG and TMS data collection sessions
- Conducted literature reviews on cognition, neurology, and research methodology during weekly lab meetings

Iowa Public Policy Center, Iowa City, IA Summer 2020

Undergraduate Research Fellow, P.I.: Dr. Peter C. Damiano

- Learned the importance of how research affects public policy
- Developed an understanding of interdisciplinary research through students presenting research projects

TEACHING EXPERIENCE

The University of Iowa, Iowa City, IA

August 2020–December 2020

Teaching Assistant, Psychological and Brain Sciences

- Assisted in gathering journal articles for course materials covering topics related to Abnormal Psychology for Dr. Ashley Norwood-Strickland
- An undergraduate course averaging 50 students per semester, covering the following topics: developmental disorders, mood disorders, eating disorders, schizophrenia, and suicide

PRESENTATIONS

Poster Presentation, Son, Y., Grugan, C.S., Konchar, A.L., Kivlighan III, D.M., Meng, L. (2021, August 12–14). *Does the alliance-outcome relationship differ across telepsychology modalities: A Meta-Analysis* [Conference presentation]. APA 2021 Virtual Convention, Washington, DC, United States.

PROFESSIONAL TRAINING

1st Generation Student Human Brain Research Workshop

The University of Iowa, Iowa City, IA, Summer 2020

- One of four first-generation college students to receive training in neuroimaging techniques including, EEG, TMS, fMRI.

Applied Suicide Intervention Skills Training (ASIST)

CommUnity Crisis Services, Summer 2019

- Learned motivational interviewing techniques and suicide first aid help.

Heartsaver CPR/AED

University of Iowa Recreational Services, Summer 2019

AFFILIATIONS

Iowa Student Psychology Association (ISPA), Spring 2019–Fall 2020

The University of Iowa, Iowa City, IA

Student member

TRIO Student Support Services (SSS), Spring 2019–Fall 2020

The University of Iowa, Iowa City, IA

Student member

TRIO Student Support Services (SSS), Summer 2017–Fall 2018

Des Moines Area Community College, Des Moines, IA

Student Vice President

COMMUNITY SERVICE

TRIO Student Support Services (SSS)

The University of Iowa, Iowa City, IA, Fall 2020

Student Mentor

TRIO Student Support Services (SSS)

The University of Iowa, Iowa City, IA, Fall 2020
Student Panel Member

Mercy Hospital

Iowa City, IA, Spring 2019–Summer 2019
Volunteer

TRIO Student Support Services (SSS)

Des Moines Area Community College, Des Moines, IA, Fall 2018
Student Panel Member

SKILLS

- Overseeing lab operations
- Extensive experience in collecting EEG data
- Adept in both Net Station and GeoScan
- Basic level of understanding in REDCap
- Intermediate level of understanding in SPSS
- Proficient in Microsoft Word, PowerPoint, and Excel

REFERENCES

Dr. Martin Kivlighan, Assistant Professor

Department of Psychological and Quantitative Foundations, Counseling Psychology
University of Iowa
Mailing Address: N452 Lindquist Center, Iowa City, IA 52242
Phone: 319-335-5333
Email: martin-kivlighan@uiowa.edu

Dr. Isaac T. Petersen, Assistant Professor

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University of Iowa
Mailing Address: 309 Stuit Hall, Iowa City, IA 52242
Phone: 319-467-1014
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Dr. Jan R. Wessel, Associate Professor

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University of Iowa
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