

ASHLEY C. STEINKRAUSS

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EDUCATION

Connecticut College New London, CT
Bachelors of Arts, Summa Cum Laude, Phi Beta Kappa May 2021
Majors: Educational Studies and honors in Behavioral Neuroscience
Minor: Applied Statistics

GRANTS AND AWARDS

Walter F. Brady Jr. Prize: for excellence in statistics, Connecticut College (\$100) Spring 2021
Psychology Department Prize: service and dedication to psychology,
Connecticut College (\$100) Spring 2021
Cameron Horner Smyser '92 Award: for scholarly achievement in psychology,
Connecticut College (\$250) Spring 2021
Dean's High Honors, Connecticut College Spring 2018-Spring 2021
Rena Rimsky Wing '67 Endowed Fund for Psychology Student Research,
Connecticut College (\$500) Fall 2020
Summer Science Research Institute, Connecticut College (\$4000; \$1250) Summer 2019, 2020
OPAM Travel Award, Montreal, Quebec, CA (\$250) Fall 2019
Dean's Honors, Connecticut College Fall 2017

PROFESSIONAL MEMBERSHIPS

Phi Beta Kappa National Honor Society Spring 2021
Psi Chi International Honors Society for Psychology Spring 2019
Nu Rho Psi Chi National Honors Society for Neuroscience Spring 2019

RESEARCH EXPERIENCE

Dennis Lab, Pennsylvania State June 2021-Present
Lab Manager

- Examine the effects of aging on episodic memory using behavioral and neuroimaging methods
- Recruited and tested younger and older adults with behavioral tests and neuroimaging tasks, like fMRI.
- Created studies from scratch using PsychoPy, E-prime, and MatLab
- Analyzed data using fmriprep, SPM, R, and MatLab.

Neuro Honors Thesis, Moher Lab, Connecticut College Fall 2020-Spring 2021
Researcher

- Designed an honors study on attention and lack of sleep
- Used an eye tracker and tasks including attentional capture and gradual onset continuous performance tasks to measure attention
- Collected data with Javascript and MatLab and analyzed data with Excel and R

Smirnakis Lab, Harvard University Medical School Summer 2020-Fall 2020
RA

- Studied information processing in visual sensory and use two-photon calcium imaging
- Produced time-series imaging using MatLab

Summer Science Research Institute, Moher Lab, Connecticut College Summer 2020
RA

- Researched sustained attention and distractions by collecting data using Amazon

McTurk

- Analyzed behavioral data using Excel and R

Moher Lab, Connecticut College

Fall 2019-Spring 2020

RA

- Used EEG's, eye and hand tracking to study attention
- Researched ways people lack attention and get distracted

Summer Science Research Institute, Moher Lab, Connecticut College

Summer 2019

RA

- Used EEG's to study sustained attention and memory
- Researched sustained attention and developed a study to create alerts that could help with mind wandering

PUBLICATIONS

Steinkrauss, A.C.,* Shaik, A.F.,* O'Brien Powers, E., Moher, J. "The Effect of Performance-Linked Visual Feedback on Lapses of Sustained Attention." (In prep).

Steinkrauss, A.C., (2019). "Perceptions of Morality in Relations to Exams". *Connecticut College Psychology Journal*. Volume 31

PRESENTATIONS

Steinkrauss, A.C., "*Sleep Quality and its Links to Attention*". Remote poster at Vision Sciences Society. May 23, 2021

Steinkrauss, A.C., "*Sleep Quality and its Links to Attention*". Presentation at Connecticut College. April 2021

Steinkrauss, A.C.,* Shaik, A.F.,* O'Brien Powers, E., Moher, J. "*Performance-linked visual alerts modify responses during a sustained attention task*". Remote poster at OPAM. November 19, 2020

Steinkrauss, A.C.,* Shaik, A.F.,* O'Brien Powers, E., Moher, J. "*The Effects of Auditory Alerts on Lapses of Sustain Attention*". Poster presented at OPAM. Montreal, Quebec, CA. November 14, 2019

Steinkrauss, A.C.,* Shaik, A.F.,* O'Brien Powers, E., Moher, J. "*The Effects of Auditory Alerts on Lapses of Sustain Attention*". Poster presented at Summer Science Research Institute at Connecticut College. New London, CT. October 4, 2019

Steinkrauss, A.C.,* Shaik, A.F.,* O'Brien Powers, E., Moher, J. "*The Effects of Auditory Alerts on Lapses of Sustain Attention*". Poster presented at the NEURON Conference at Quinnipiac University. February 23, 2019

Steinkrauss, A.C., Psychology Department. "*Perceptions of Morality in Relation to Exams*". Presentation at Connecticut College. April 2019

Steinkrauss, A.C., "*Indeed*". Presentation at DataFest at Wesleyan University. April 2018

WORK EXPERIENCE

Office of Wellbeing, Connecticut College

Fall 2020-Spring 2021

Intern

- Hosted first-year seminars and virtual and on-campus events related to mental health promotion

Statistics: Time Series, Introduction, and Computing with R, Connecticut College

Spring

2021-Spring 2021

Tutor and Grader • Graded students R code homework assignments, quizzes, and exams

- Hosted office hours and tutored the entire statistics department with R**Statistics: Computing with R**, Connecticut College Fall 2020
Tutor and Grader • Graded homework, exams, and finals with R
 - Held weekly tutoring sessions for students who needed extra help
- Statistics: Time Series**, Connecticut College Spring 2020
Tutor • Tutored students with questions relating to time series analysis and R
- Statistics: Computing with R**, Connecticut College Fall 2019
Grader • Graded homework and exams with R assignments
 - Managed student grades and provided feedback
- Psychology: Psychological Statistics**, Connecticut College Fall 2018
Teacher's Assistant • Independently taught two statistical laboratories involving introductory statistical topics of SPSS
 - Supported instructor with test administration, curriculum development, and assignment grading
- Chartroom Restaurant**, Pocasset, Massachusetts Summer 2014-Present
Waitress • Acquired skills in multitasking, organization, and accommodation to customer's needs
 - Carried out 12-hour shifts with successful social skills and communication

SKILLS

Statistical Analysis: R, SPSS, JavaScript, MatLab, SPM
Computer Skills: PsychoPy, E-Prime, Microsoft Excel, PowerPoint, Prezi, Social media
Behavioral Survey Tools: Amazon Mechanical Turk, Qualtrics, Prolific
Lab Tools: fMRI, EEG, Hand Tracking, Eye Tracking, Immunohistochemistry, PCR, Western Blot
Certifications: QPR Gatekeeper-Fall 2020, Student Support Network (SSN)-Fall 2018, Fall 2019, Green Dot-Fall 2017
Language Skills: Basic Spanish, Basic Italian

COMMUNITY ENGAGEMENT

- Jordan Porco Foundation,** August 2019-May 2021
Ambassador • Promoted suicide awareness on college campuses
- National Crisis Hotline,** Fall 2019-Present
Volunteer • Completed over 200 hours of volunteering online
 - Answer texts from people in crisis, calm them down with collaborative problem solving and safety planning
- Walk to End Alzheimer's Walk,** 2017-2019
Volunteer • Participated by walking to raise money and bring awareness to Alzheimer's Disease
- Multiple Sclerosis Walk,** 2018-2020
Volunteer • Participated by walking to raise money and bring awareness to Multiple Sclerosis
- New London Public Schools,** 2018-2020
Teacher Assistant • Assisted students with work and managed K-8th grade classrooms