

Tammy Lacy

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Education

Bachelor of Science in Behavioral Neuroscience

St. Edward's University

Awarded May 2019

Intra Operative Neurophysiologic Monitoring Fellowship

National Neuromonitoring Services

Awarded May 2021

Healthcare and Neuroscience Related Courses

Research Methods

Research and Field Experience

Animal Behavior

Learning and Cognition

Physiology

Theories of Personality

Statistics

Behavioral Neuroscience

Chemical Dependency Issues

Abnormal Psychology

Molecular Genetics

Child Development

Technical and Equipment Experience

- ELISA Assays
Equipment: Pipette, Micropipette, Vortexer, Centrifuge, Plate mixer, Plate reader
- Sperm Sample Collection and Counting
Equipment: Pipette, Micropipette, Hemocytometer, Vortexer, Centrifuge
- Blood Sample Collection
Equipment: Hamilton's syringe and 1 mL syringes
- Sphygmomanometer, pulse oximeter
- EPIC Electronic Medical Record system
- Python and R programming
- Gel electrophoresis
- Gram stain
- CADWELL IONM equipment
- MEDTRONIC IONM equipment
- USMON software

Relevant Experience

- **Intranerve Neuroscience** Summer 2021- Present
 - o Used specialized electroneurodiagnostic equipment to perform various modalities in the operating room assisting surgeons in avoiding or reducing complications during surgical procedures
 - o Communicated any and all relevant surgical and adverse events to the interpreting physician and surgeon, working as a team with all surgical staff including anesthesia to maintain optimal conditions for continual nervous system monitoring
 - o Modalities performed include: TceMEP, tEMG, MEP, TOF, SSEP, EMG, EEG.
 - o Proficient at performing pedicle screw stimulation and reporting values to surgeon

- National Neuromonitoring Services Fall 2020- Summer 2021
 - Used specialized electroneurodiagnostic equipment to perform various modalities in the operating room assisting surgeons in avoiding or reducing complications during surgical procedures
 - Communicated any and all relevant surgical and adverse events to the interpreting physician and surgeon, working as a team with all surgical staff including anesthesia to maintain optimal conditions for continual nervous system monitoring
 - Modalities performed include: TceMEP, tEMG, MEP, TOF, SSEP, EMG, EEG.
 - Proficient at performing pedicle screw stimulation and reporting values to surgeon
- 4Ocean Spring 2020- Summer 2020
 - Used SQL, python and JavaScript to manage a worldwide database of trash, cleanups, ocean pollution and recyclable goods from research labs across the world
 - Designed and implemented A/B/C testing research experiments, performed analytics and presented findings to stakeholders
- UT Austin Summer 2019 - Fall 2019
 - Full-stack software engineering program
 - Data science: Python, R, SQL
 - HTML, CSS, JSON, MongoDB, React
- M-Modal Spring 2019 - Summer 2019
 - Document patient interactions
 - Utilize electronic record and management software to order labs, exams
 - Oncology department medical scribe
- Robin Healthcare Fall 2019
 - Clinical care coordinator and orthopedic medical scribe
 - Schedule clinics for providers in the EMR
 - Document patient interactions
- Scribe. Ology Spring 2018
 - Emergency department scribe
 - Follow provider around ED and document patient interactions
- Research department of Biology at SEU Spring 2018 - Spring 2019
 - Assist in conducting and designing experiments
 - Utilizing SPSS to perform analyses
 - Participating in field collection of samples
- Research department of Psychology at SEU Fall 2017 - Fall 2018
 - Assist in conducting and designing experiments
 - Utilizing SPSS to perform analyses
 - Recruiting for studies and formatting a manuscript for publication
- Department of Veteran's Affairs - Outpatient Clinic Spring 2018 - Spring 2019
 - Assist female veterans with benefits familiarity
 - Specialty in women's clinic
 - Processing paperwork
 - Advocating on veterans' behalf

- o Aiding in scheduling and spreading awareness of female veteran's events
- Teacher's Assistant, General Psychology at SEU Fall 2017
 - o Administrative responsibilities (grading, assignment assessment)
 - o Tutored Students, held review sessions
 - o First TA guest lecturer in Psychology department (Theories of Personality)
 - o Literature review
- A+ Staffing Spring 2017 - Spring 2019
 - o Event catering staff
 - o Work with others in an efficient and orchestrated manner to accomplish tasks
 - o Coordinate services for the duration of an event
 - o Demonstrate attention to detail
 - o Time management to stick to schedule
- KASA delivery LLC Fall 2015 - Spring 2017
 - o Customer service, call in orders
 - o Repair Bite squad tablet as necessary
 - o Assist restaurant owners in becoming affiliated
- Best Care home health Summer 2014 - Spring 2015
 - o Assist in personal care for clients
 - o Schedule doctor appointments and manage care
 - o Transport client to and from daily appointments
 - o Grocery shop according to dietary restrictions and otherwise manage household
- Metropolitan Methodist Hospital Fall 2012 - Spring 2014
 - o Shadow nurses with an emphasis on telemetry
 - o Clinical rotation site for nursing assistant program
 - o Perform vitals and record information
 - o Assist nurses in transport and routine care
- Bexar County University Hospital Fall 2012 - Spring 2014
 - o Help patients with low SES healthcare access issues
 - o Shadow nurses with an emphasis on physical therapy
 - o Clinical rotation site for nursing assistant program
 - o Perform vitals and record information
 - o Assist nurses in transport and routine care

Research Assistant Experience

St. Edward's University Department of Neuroscience Spring 2019 - Summer 2019

Research Advisor: Dr. Katherine Goldey

- Investigation of the effects of mental states on rock climbing performance and testosterone levels
- Skills: Schedule participants, collect data, perform ELISA hormone assays

St. Edward's University Department of Biology

Spring 2018 - Fall 2019

Research Advisor: Dr. Raelynn Deaton Haynes

- Investigation of mating preference for virgin females in male *Gambusia affinis* (mosquito fish)
- Skills: literature review, scoring and analyzing behaviors, collecting fish in the field, care and maintenance for freshwater aquaria, tagging fish, mentoring students in differentiating fish sexes

and analyzing behaviors, data analysis via Excel and SPSS, graph making via Excel, writing a manuscript, formatting a manuscript for publication

St. Edward's University Department of Biology

Spring 2018 - Fall 2019

Research Advisor: Dr. Raelynn Deaton Haynes

- Investigation of dominance hierarchies and morphological predictors of dominance in male *Gambusia affinis* (mosquito fish)
- Skills: literature review, experimental design, developing ethograms, scoring and analyzing behaviors, collecting fish in the field, care and maintenance for freshwater aquaria, tagging fish, mentoring students in differentiating fish sexes and analyzing behaviors, data analysis via Excel and SPSS, graph making via Excel, writing a manuscript, formatting a manuscript for publication

St. Edward's University Department of Biology

Fall 2018

Research Advisor: Dr. Will Bonkale

- Investigation of effects of intermittent exercising on memory recall and cognitive function
- Skills: literature review, experimental design, data analysis via Excel and SPSS, graph making via Excel, writing a manuscript, research presentation

St. Edward's University Department of Psychology

Fall 2017 - Fall 2018

Research Advisor: Dr. Michael Disch

- Investigation of effects of diversity on perception of advertising
- Skills: literature review, experimental design, survey creation via Qualtrics, data analysis via Excel and SPSS, graph making via Excel, writing a manuscript, formatting a manuscript for publication

St. Edward's University Department of Psychology

Fall 2017 - Spring 2018

Research Advisor: Dr. Michael Disch

- Investigation of information transcription techniques and effect on memory recall
- Skills: literature review, data collection, data analysis via SPSS, writing a manuscript, formatting a manuscript for publication

St. Edward's University Department of Psychology

Fall 2017 - Spring 2018

Research Advisor: Dr. Natasha Fourquet

- Investigation of the effects of arousal on music perception
- Skills: literature review, experimental design, scoring and analyzing survey results, data analysis via Excel and SPSS, writing a manuscript, formatting a manuscript for publication

St. Edward's University Department of Biology

Fall 2016

Research Advisor: Dr. Erika Schwarz

- Investigation of the relationship between phosphorus and periphyton in a stream system at Wild Basin Nature Preserve
- Skills: literature review, data collection, data analysis via SPSS, writing a manuscript

Poster Presentations

1. Ellison, E., Disch, M. & Lacy, T. (2019). A new hope for advertising or a social media dead end?. *SOURCE Symposium*, Saint Edward's University.
2. Ellison, E., Disch, M. & Lacy, T. (2019). A new hope for advertising or a social media dead end?. *Association for Psychological Science*, 31st annual convention. Washington, D.C.

Extracurricular

<i>Member</i>	Psychology society – St. Edward’s University, Austin, TX	August 2014 - May 2019
<i>Member</i>	Academy of Science – St. Edward’s University, Austin, TX	January 2018 - present
<i>Member</i>	Association for Psychological Science – APS, Austin, TX	January 2017 - present