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## SKILLS AND QUALIFICATIONS

**Languages:** Python, R, C++

**Data Science:** Machine learning (*scikit-learn, xgboost, lightgbm, imbalanced-learn*), deep learning (*pytorch, tensorflow, keras*), feature engineering (*featuretools, Boruta*), hyperparameter optimization (*optuna, hyperopt, scikit-optimize*) model interpretability (*SHAP, LIME, eli5*), statistics (*statsmodels, pingouin, SPSS, R, Rstudio*), data wrangling (*pandas, numpy, SQL, dplyr*), natural language processing (NLP) (*NLTK, speechbrain, spaCy, Whisper, BERT*), audio processing (*pyaudio, pydub, openSMILE*), neuroimaging analysis (*freesurfer, pydicom, 3DSlicer*), gaze behavior analysis (*Tobii, GazePoint, OpenSesame, pygaze*), visualization (*plotly, matplotlib, ggplot, Tableau*), LLM prompt engineering, Excel

**Architecture:** SQL (postgres, mysql), AWS, Azure Cloud Platform, Azure Synapse, Docker

**Development:** Git, UI design (*Qt, PySide, PyGame, PsychoPy*), Unity, software development, PyCharm, Visual Studio Code, Jupyter Lab, WSL

**Research:** Experiment design, research and literature review, scientific writing (*LaTeX, Word*), public speaking, teaching and presenting, virtual/online lecture production (*PowerPoint*), electronic health record systems (*EPIC, REDCap*), Microsoft Office

**Audiovisual:** Graphics design (*Adobe Photoshop*), video production (*Adobe Premiere*), audio recording and mastering (*REAPER, Ableton Live, ProTools, Audacity*)

**Technical:** Linux OS (*Ubuntu, Debian, Mint*) and Microsoft Windows tech support and troubleshooting, computer diagnostics and repair, CLI, bash

## EDUCATION

2019 **Florida Atlantic University**, Boca Raton, FL

Ph.D in Experimental Psychology

M.A. in Psychology

2012 **Florida State University**, Tallahassee, FL

B.S. in Biological Science & Psychology

## ACADEMIC RESEARCH EXPERIENCE

2023 - **Assistant Director of Data Science and Technology**

Comprehensive Center for Brain Health, Department of Neurology,  
University of Miami Miller School of Medicine

- **Data Core Lead:** Head of CCBH Data Science and Management Core (DSMC), directly in charge of the Data Manager, all Data Scientists, Database Analysts, Data Entry Clerks, and

one postdoctoral research fellow, and indirectly in charge of all Research Assistants and Associates in their data-related duties.

- **Deployed Azure Database:** Led a team of in-house and consultant database engineers, data scientists, and data analysts to build an Azure Synapse data lake to house structured and unstructured research data from health and medical records, surveys, forms, biomarker records, MRI scans and other machine data, with ML transformation pipelines.
- **Developed Data Collection Applications:** Created the web-based Brain Health Survey which collects data sufficient to calculate the Brain Health Index, a measure of modifiable and non-modifiable risk factors for cognitive impairment and dementia. The Survey is hosted as an Azure logic app and virtual machine with integrations into the rest of our Azure cloud database.
- **Automated 90% of Manual Tasks:** Transitioned the Center from majority manual data entry and calculation to electronic data capture with automated calculations and pipelines for data preprocessing. Established internal webforms for new participant and study registration, external logic apps for data requests and dissemination of study data including React-based data dictionaries and dashboards. Led development of decision tree-based clinicopathological diagnosis using clinical and biomarker data.

### **Research Assistant Professor**

Comprehensive Center for Brain Health, Department of Neurology,  
University of Miami Miller School of Medicine

- **Neurobehavioral Markers of Neurodegeneration:** Primary research focus is in behavioral markers of neurodegeneration, including speech behavioral data (linguistics, audiometrics) and gaze behavioral data.
- **Brain Health Index** and components: Developed the *Vulnerability Index*, contributed to the development of the *Resilience Index*, and created the *Brain Health Platform* and its associated *Brain Health Index*, a linear scale of weighted brain health components that paints a picture of overall health and likelihood of future impairment.

2020 - 2023

### **Postdoctoral Fellow, Data Scientist**

University of Miami, Miller School of Medicine

- **Software Engineering:** Built novel software tools for measuring cognition and cognitive impairment on desktop systems using Python and Qt5
- **Data Analysis:** Analyzed medical data, investigated methods for clinical practice, and developed assessment tools using statistical and machine learning techniques
- **Development:** Developed and maintained web-based dashboards on VM architecture for clinical and research applications
- **EHR:** Assisted in the integration of machine learning pipelines into university-wide electronic health record systems (EPIC) for clinical decision support
- **Audiovisual:** Directed, recorded, and edited live and pre-recorded seminars, lectures, and advertisement media for local and international conferences, webinars, and recruitment events
- **Graphics Design:** Designed print and digital graphics and media for advertisements of the Center and recruitment of target participants and patients
- Instructed coworkers in using Python, R, and RStudio to streamline intra-office collaboration

- **Collaboration:** Worked with other universities and research groups to develop and implement machine learning models for clinical and academic use
- Regularly communicated technical topics to expert, non-technical, and lay audiences
- Recipient of state and private grants

2013 - 2019 **Graduate Researcher**

Florida Atlantic University, Department of Psychology

***Machine Perception and Cognitive Robotics Lab***

Advisors: Dr. Elan Barenholtz, Dr. William Hahn

- Developed paradigms for human interfacing with machines
- Utilized machine learning and neural networks to categorize clinical populations based on eye movements for multiple tasks
- Lead Researcher for *Behavioral Analytics Team*, managing up to 7 undergraduate students' projects

***Visual Mind Lab***

Advisor: Elan Barenholtz, PhD

- Compared eye fixation measures when modifying subjects' perceptions of real-time versus pre-recorded interactions
- Developed mechanisms for cognitive research using virtual reality systems, including multiple object tracking, attention restoration, and object saliency
- Interviewed prospective students for independent study roles

2011 - 2012 **Undergraduate Researcher**

Florida State University, Department of Biological Science

Advisor: Lisa Lyons, PhD

- Examined behavioral effects of ethanol with respect to circadian rhythms of *drosophila melanogaster*
- Independently managed fly stocks for experimental procedures
- Performed surgical removal of intestines to examine gut perfusion due to chronic ethanol administration

## NON-ACADEMIC RESEARCH EXPERIENCE

2025 - **Sensory Science Inc**

Chief Scientific Officer

- Develop and maintain innovative conversational AI application that captures sociocognitive functioning, episodic memory, and other metrics known to be associated with risk of cognitive impairment
- Facilitate multi-site observational clinical data collection of speech analysis collection application for cognitive impairment screening
- Develop end-to-end speech and audiometric analysis including a novel voice signature detection algorithm and multimodal-multimodel ensemble hierarchical machine learning prediction algorithm
- Manage tech stack including AWS cloud service and integrations with Twilio, Voiceflow, Google Workspace, and Slack

2023 - 2025	<b>WellSaid.AI</b> Consultant
2023 - 2025	<b>Cognivue</b> Consultant
2016 - 2018	<b>VoxelRx</b> Data Science Intern

- Developed pre-processing and analysis pipelines for speech responses to daily assessments built into a digital speech detection platform
- Explored cognitive predictive value of linguistic and audiometric data from responses

- Created the Cognivue Amyloid Risk Scale (CARM), a categorical measure of amyloid positivity and risk of future impairment based on cognitive measures derived from the Cognivue Clarity cognitive assessment
- Wrote and contributed to publications detailing the effectiveness of the CARM in the BioHermes study

- Developed deep learning models to classify Alzheimer's disease from MRI scans
- Cleaned and restructured behavioral and neuroimaging data from ADNI
- Prepared visualizations using Tableau and Python

## TEACHING & ADVISING

2019 - 2020	<b>Adjunct Professor</b> Florida Atlantic University, Department of Psychology
	<i>Biological Bases of Behavior</i> <ul style="list-style-type: none"><li>▪ Taught undergraduate psychology and biology majors about basic principles of psychobiology, neural physiology, and neuroanatomy</li></ul> <i>Psychology of Human Development</i> <ul style="list-style-type: none"><li>▪ Taught undergraduate psychology majors about high-level biological and psychological processes involved in development throughout the lifespan</li></ul> <i>Cognition Lab</i> <ul style="list-style-type: none"><li>▪ Instructed undergraduate psychology majors on various topics in cognitive psychology and in scientific research of these topics</li><li>▪ Assigned and graded student presentations of proposed replication studies of classic cognition experiments</li></ul>
2017 - 2019	<b>Lead Researcher</b> Machine Perception and Cognitive Robotics Lab, Behavioral Analytics Team

- Depression detection study, using a combined neural network model with capsule networks and LSTMs. 89% detection rate for self-report depressive thoughts

- Chess expert detection based on gaze patterns of chess puzzles
- Personality test prediction based on eye movement behavior towards emotionally stimulating imagery
- Drug relapse prediction based on behavioral data and demographics information

2015 - 2019 **Graduate Teaching Assistant**

Florida Atlantic University, Department of Psychology

***Intermediate Statistics Laboratory*** – Instructor, 4 semesters

- Prepared lectures and class activities focusing on the use of SPSS statistical software to provide students with a hands-on approach to learning statistical analyses
- Created and graded course assessments, and provided continuous feedback to ensure students understood material and stayed on track

***Cognition*** – Teaching Assistant under Dr. Elan Barenholtz, 3 semesters

- Guest lectured
- Graded homework, assignments, and quizzes, and proctored exams
- Managed class grades

***Research Methods*** – Teaching Assistant under Dr. David Wolgin

- Instructed students on how to perform research using online methods and write an APA style research paper
- Graded and provided continuous feedback on APA style research papers

***Social Behavior Laboratory*** – Teaching Assistant under Dr. Derrick Schlangen

- Guest lectured
- Led students in a simulated society activity
- Graded student presentations and provided feedback
- Managed class grades and attendance and proctored exams

*“Michael was always willing to help me with any questions or concerns and showed a genuine interest for students to learn the material. He is a great professor.”*

*“Michael was a great instructor. Funny, intelligent and taught well.”*

## PUBLICATIONS

[PubMed](#) | [Google Scholar](#)

### Peer-reviewed articles:

Baig, M.M., Besser, L.M., Tolea, M.I., **Kleiman, M.J.**, Chang, L.C., O’Shea, D.M., Chrisphonte, S., Wiese, L.K., & Galvin, J.E. (2025). Correlates of post-COVID-19 pandemic worry and preventive practices in older adults in Florida. *Frontiers in Public Health*, 13. <https://doi.org/10.3389/fpubh.2025.1608352>

Galvin, J.E., Almonte, K.C., Buehler, A., Caicedo, Y.M., Galvin, C.B., Jimenez, W., Joshi, M.S., Mendez, N., Riccio, M.L.A., Walker, M.I., & **Kleiman, M.J.** (2025). The Healthy Brain 9 (HB9): A new instrument to characterize subjective cognitive decline, and detect anosognosia in mild cognitive impairment. *PLOS ONE*, 20(6), e0322351. <https://doi.org/10.1371/journal.pone.0322351>

Galvin, J.E., **Kleiman, M.J.**, Harris, H.M., & Estes, P.W. (2025). The Cognivue Amyloid Risk Measure (CARM): A Novel Method to Predict the Presence of Amyloid with Cognivue Clarity. *Neurology and Therapy*, 14(3), 865–880. <https://doi.org/10.1007/s40120-025-00741-x>

O’Shea, D.M., Chang, L.C., Gibbs, G., Galvin, C.B., **Kleiman, M.J.**, & Galvin, J.E. (2025). Development and Validation of the DA3 Scale for Assessing Depression, Anxiety, and Apathy in Older Adults. *The American Journal of Geriatric Psychiatry*, 33(8), 838–849. <https://doi.org/10.1016/j.jagp.2025.03.002>

**Kleiman, M.J.**, and Galvin, J.E. (2024) High Frequency Post-Pause Word Choices and Task-Dependent Speech Behavior Characterize Connected Speech in Individuals with Mild Cognitive Impairment. *Journal of Alzheimer’s Disease*. [10.1177/138728772412912309](https://doi.org/10.1177/138728772412912309)

Galvin, J.E., **Kleiman, M.J.**, Estes, P.W., Harris, H.M., Fung, E. (2024) Cognivue Clarity characterizes mild cognitive impairment and Alzheimer’s disease in biomarker confirmed cohorts in the Bio-Hermes Study. *Scientific Reports*. [10.1038/s41598-024-75304-5](https://doi.org/10.1038/s41598-024-75304-5)

Perez, N.D., **Kleiman, M.J.**, Barenholtz, E. (2024) Visual Fixations during Processing of Time-Compressed Audiovisual Presentations. *Attention, Perception, & Psychophysics*. [10.3758/s13414-023-02838-7](https://doi.org/10.3758/s13414-023-02838-7)

Besser, L.M., Chrisphonte, S., **Kleiman, M.J.**, O’Shea, D., Rosenfeld, A., Tolea, M., Galvin, J.E. (2023) The Healthy Brain Initiative (HBI): A Prospective Cohort Study Protocol. *PLOS ONE* [10.1371/journal.pone.0293634](https://doi.org/10.1371/journal.pone.0293634)

Daniel, E.V., **Kleiman, M.J.**, & Galvin, J.E. (2023). Exploring Reasons for Differential Vulnerability and Alzheimer’s Disease Risk in Racial and Ethnic Minorities. *Journal of Alzheimer’s Disease*, 91(1), 495–506. <https://doi.org/10.3233/JAD-220959>

**Kleiman, M.J.**, Ariko, T., Galvin, J.E. (2023) Hierarchical two-stage cost-sensitive clinical decision support system for screening prodromal Alzheimer’s disease and related dementias. *Journal of Alzheimer’s Disease*.

**Kleiman, M.J.**, Chang, L., Galvin, J.E. (2022) The Brain Health Platform: Combining Resilience, Vulnerability, and Performance to Assess Brain Health and Risk of Alzheimer’s Disease and Related Disorders. *Alzheimer’s & Dementia*. [10.3233/JAD-220927](https://doi.org/10.3233/JAD-220927)

**Kleiman, M.J.**, Plewes, A.D., Owora, A., Grout, R.W., Dexter, P.R., Fowler, N.R., Galvin, J.E., Miled, Z.B., & Boustani, M. (2022). Digital detection of dementia (D3): A study protocol for a pragmatic cluster-randomized trial examining the application of patient-reported outcomes and passive clinical decision support systems. *Trials*, 23(1), 868. <https://doi.org/10.1186/s13063-022-06809-5>

**Kleiman, M.J.**, Barenholtz, E., Galvin, J.E. (2021) Screening for early-stage Alzheimer’s disease using optimized feature sets and machine learning. *Journal of Alzheimer’s Disease*. [10.3233/JAD-201377](https://doi.org/10.3233/JAD-201377)

**Kleiman, M.J.**, Galvin, J.E. (2021) The Vulnerability Index: A weighted measures of dementia and cognitive impairment risk. *Alzheimer’s & Dementia: DADM*. [10.1002/dad2.12249](https://doi.org/10.1002/dad2.12249)

Galvin, J.E., Chrisphonte, S., Cohen, I., Greenfield, K.K., **Kleiman, M.J.**, Moore, C., Riccio, M.L., Rosenfeld, A., Shkolnik, N., Walker, M., Chang, L.C., & Tolea, M.I. (2021). Characterization of dementia with Lewy bodies (DLB) and mild cognitive impairment using the Lewy body dementia module (LBD-MOD). *Alzheimer’s & Dementia*, 17(10), 1675–1686. <https://doi.org/10.1002/alz.12334>

Galvin, J.E., **Kleiman, M.J.**, et al. (2021) The Resilience Index: A quantifiable measures of brain health and risk of cognitive impairment and dementia. *Journal of Alzheimer’s Disease*. [10.3233/jad-215077](https://doi.org/10.3233/jad-215077)

Galvin, J.E., **Kleiman, M.J.**, & Walker, M. (2021). Using Optical Coherence Tomography to Screen for Cognitive Impairment and Dementia. *Journal of Alzheimer’s Disease*, 84(2), 723–736. <https://doi.org/10.3233/JAD-210328>

**Kleiman, M.J.**, Barenholtz, E. (2020) Perception of being observed by a speaker alters gaze behavior. *Attention, Perception, and Psychophysics*. [10.3758/s13414-020-01981-9](https://doi.org/10.3758/s13414-020-01981-9)

In Preparation and Under Review:

**Kleiman, M.J.** (Under review) Evaluating Large Language Model Performance and Reliability in Scoring Picture Description Tasks for Neuropsychological Assessment. *PLOS Digital Health*. [10.31234/osf.io/snb3a](https://doi.org/10.31234/osf.io/snb3a)

**Kleiman, M.J.**, Gibbs, G.S., Joshi, M., Galvin, J.E. (Submitted) The Brain Health Index: Integrating Vulnerability, Resilience, and Functioning Into a Unified Measure of Cognitive Health and Neurodegenerative Risk. *Alzheimer’s & Dementia*.

## Michael J. Kleiman

**Kleiman, M.J.**, Baig, M.M., Salcedo, A., Galvin, J.E. (In prep) "Puppy Escape" - A Novel Narrative Recall Task Leveraging Multimodal Analysis and Weighted Scoring.

**Kleiman, M.J.**, Rader, K., Camacho, S., Galvin, J.E. (In prep) Automated Scoring of Narrative Recall Assessments Using Large Language Models Enables Exploration of Alternate Scoring Criteria.

Besser, L., Baig, M., Henriquez, A., Tolea, M., O'Shea, D., Chrisphonte, S., Joshi, M., **Kleiman, M.J.**, Galvin, J.E. (Submitted). Sociodemographic correlates of cognition and Alzheimer's disease and vascular biomarkers among middle to older age participants in the Healthy Brain Initiative. *Journal of Alzheimer's Disease*.

Baig, M.M., **Kleiman, M.J.**, Joshi, M.S., Galvin, J.E. (In prep) Identifying Alzheimer's Disease Subtypes and Stages Through Machine Learning.

## PROFESSIONAL MEMBERSHIP

2025 -	Member, INCLUDE Network
2022 -	Member, Alzheimer's Association
2021 -	Member, McKnight Brain Institute
2021 -	Member, American Academy of Neurology
2020 -	Member, Psychonomic Society
2015 -	Member, Vision Sciences Society

## AWARDS AND HONORS

2025	<b>K01 Research Grant</b> National Institute on Aging, NIH 1K01AG084867 Kleiman (PI) <i>Title:</i> Neurobehavioral markers of neurodegeneration: quantifying implicit changes in cognitive functioning due to dementia using gaze and speech behavior
	<b>LRP Loan Repayment Award</b> National Institutes of Health LRP0000065231 Kleiman (PI) <i>Title:</i> Ensuring diverse representation in models of speech behavior targeting preclinical and prodromal dementia
2022	<b>Alzheimer's Association Research Fellowship</b> Alzheimer's Association AARF-22-923592 Kleiman (PI) – 05/2022 - 04/2025 – \$175,000 <i>Title:</i> Mapping trajectories of speech metrics in preclinical Alzheimer's disease
2022	<b>McKnight Clinical Translational Research Scholarship</b> American Academy of Neurology, McKnight Brain Institute, American Brain Foundation SA00001776 Kleiman (PI) – 07/2022 - 06/2024 – \$150,000 <i>Title:</i> Assessing trajectories of discrete measures of speech behavior in age-related decline
2020	<b>Postdoctoral Research Fellowship Grant</b> Ed and Ethel Moore Alzheimer's Disease Research Program, Florida Department of Health <i>Title:</i> Development of a gaze- and speech-behavior based cognitive exam to assist in the detection of early-stage Alzheimer's disease and related disorders

## PRESENTATIONS

2025	<p><b>Alzheimer's Association International Conference</b>, Toronto, ON Canada</p> <p><i>Poster:</i> The Brain Health Index: Integrating Vulnerability, Resilience, and Functioning Into a Unified Measure of Cognitive Health and Neurodegenerative Risk</p> <p><i>Poster:</i> Automated Scoring of Narrative Recall Assessments Using Large Language Models Enables Exploration of Alternate Scoring Criteria</p> <p><i>Poster:</i> "Puppy Escape" - A Novel Narrative Recall Task Leveraging Multimodal Analysis and Weighted Scoring</p> <p><i>Poster:</i> The Healthy Brain 9 (HB9): A New Instrument to Characterize Subjective Cognitive Decline</p> <p><i>Poster:</i> Two Stage Screening for Alzheimer's Disease Clinical Trial Recruitment Enrichment: Cognivue Clarity and Plasma pTau217</p> <p><b>International Neuropsychological Society</b>, New Orleans, LA</p> <p><i>Poster:</i> The Craft Story 21 can be Reliably Scored by Generative AI Models, Paving the Way for AI-Based Scoring Tools</p>
2024	<p><b>Florida Atlantic University SMART Health Seminar</b>, Boca Raton, FL</p> <p><i>Talk:</i> Using speech as a biomarker for detecting and measuring cognitive impairment</p> <p><b>American Neurological Association Conference</b>, Orlando, FL</p> <p><i>Poster:</i> Identifying Alzheimer's Disease Subtypes and Stages Through Machine Learning.</p> <p><b>Alzheimer's Association International Conference</b>, Philadelphia, PA</p> <p><i>Poster:</i> <a href="#"><u>Degradation of gaze-speech synchronization due to mild cognitive impairment in picture description tasks</u></a></p> <p><i>Poster:</i> <a href="#"><u>Detection of Amyloid Status and Preclinical Alzheimer's Disease Using Cognivue Clarity, An Adaptive Psychophysics Computerized Cognitive Battery in The Bio-Hermes Study</u></a></p> <p><b>Comprehensive Center for Brain Health: The Brain Health Luncheon</b>, Boca Raton, FL</p> <p><i>Talk:</i> Using behavior to separate normal age-related cognitive changes from early-stage dementia</p> <p><b>American Academy of Neurology</b>, Denver, CO</p> <p><i>Talk:</i> Age-related cognitive decline leads to greater entropic descriptiveness in connected speech tasks</p> <p><i>Poster:</i> <a href="#"><u>Cognivue Clarity® in the Detection of Biomarker Confirmed Mild Cognitive Impairment and Alzheimer's Disease</u></a></p> <p><b>University of Miami's Neurology Update and Stroke Intensive Review</b></p> <p><i>Talk:</i> Neurobehavioral markers of neurodegeneration and brain health</p> <p><b>Partnership for Aging</b></p> <p><i>Talk:</i> How we can detect early-stage dementia using behavior</p>
2023	<p><b>Southeastern Neurodegenerative Disease Conference</b>, Atlanta, GA</p> <p><i>Talk:</i> Mild cognitive impairment influences post-disfluency speech behavior in narrative recall, picture description, and spontaneous speech tasks</p> <p><b>Alzheimer's Association International Conference</b>, Amsterdam, Netherlands</p> <p><i>Poster:</i> Unexpected and interesting distractors capture greater attentional gaze behavior in MCI in a naturalistic visual search task</p>
2022	<p><b>University of Miami's Department of Neurology</b></p> <p><i>Talk:</i> Attention directed towards unexpected and interesting distractors can detect mild cognitive impairment</p> <p><b>Alzheimer's Association International Conference</b>, San Diego, CA</p> <p><i>Poster:</i> Two-stage cost-sensitive clinical decision support system for detecting Alzheimer's disease</p>
2021	<p><b>Comprehensive Center for Brain Health: Hot Topics on Healthy Brain Aging</b></p> <p><i>Talk:</i> <a href="#"><u>Listening to speech to understand the aging brain</u></a></p>

	<b>University of Miami's Neurology Update and Stroke Intensive Review</b> <i>Talk: <a href="#">Neurobehavioral Markers of Neurodegeneration</a></i>
	<b>Palm Beach County Library System</b> <i>Talk: Dementia and Artificial Intelligence</i>
	<b>Institute for Learning in Retirement</b> <i>Talk: <a href="#">Artificial Intelligence and the Detection of Dementia</a></i>
2020	<b>Clinical Trials on Alzheimer's Disease</b> <i>Poster: <a href="#">Generation of an optimized neuropsychological feature set for the quick screening of mild cognitive impairment in clinical settings</a></i>
2019	<b>Introduction to Deep Learning Bootcamp</b> <i>Talk: Analyzing Behavior with Ensemble Networks</i> <i>Course: Decision Trees, Random Forests, and other Ensemble Networks</i> <b>Cade Prize Innovation Competition</b> <i>Pitch: The SciKey Scan</i> <b>Coral Springs Innovate! Downtown</b> <i>Pitch: A faster and more accurate method for detecting and measuring Alzheimer's Disease</i>
2018	<b>Florida Blue Healthcare Innovation Competition</b> <i>Talk: A New Way to Diagnose Depression</i> Placed in 2 <sup>nd</sup> Overall <b>FAU Wave</b> <i>Poster: Developing a Model for Mood Disorder Classification Using Eye Movements.</i> Received First Place honors in competition <b>Vision Sciences Society</b> <i>Poster: Saliency Map Classification Using Capsule-based CNNs.</i> <i>Poster: Comprehension of an audio versus an audiovisual lecture at 50% time-compression.</i> <i>Poster: Attention Restoration Through Virtual Environments.</i>
	<b>Osher Lifelong Learning Society</b> <i>Talk: Diagnosing Alzheimer's Disease Early: Your eye movements are the future of clinical research</i>
2017	<b>Vision Sciences Society</b> <i>Poster: You lookin' at me? Perception of a real-time dyadic interaction influences gaze behavior.</i> <i>Demo: Virtual reality real-time multiple object tracking psychophysics platform.</i>
2016	<b>Vision Sciences Society</b> <i>Poster: Can you see me? Eye fixations of the face are modulated by perception of a bidirectional social interaction.</i>