# JEREMY **SMITH**
*CLINICAL NEUROSCIENTIST AND MAMFT TRAINEE*

## Competences

**Medical Family Therapy**
A systems-oriented approach to holistic care of patients and families coping with medical issues in the primary care setting

**Clinical Neuroscience**
Rigorous education in molecular, cellular, and systems biology, and diverse research experiences in cognitive and developmental neuroscience, brain trauma, chronic pain, memory disorders, and burnout

## Motivation

My career objective is to serve as a behavioral health provider in primary care and private practice in Washington state.

## Interests

**Chronic and terminal illness and end-of-life issues**
Alzheimer's and other dementias, chronic pain

**Caregiver Family Therapy**
Improving quality of life for patients and families

**Complex presentations**
e.g., ASD/schizoaffective

## Profile

I am a credentialed clinical neuroscientist currently in transition to a career in integrated behavioral health. As a trainee in Medical Family Therapy, I will leverage my biomedical experiences and a relational-systemic orientation to assist patients and their families coping with chronic, terminal, and acute illness through a combination of cognitive-behavioral and experiential approaches. My professional interests include end-of-life and caregiver issues — particularly in Alzheimer's disease and other dementias — as well as complex presentations such as comorbid autism and schizoaffective disorder. Following graduation, I will be applying for Associate LMFT (LMFTA) licensure in Washington State, with a target relocation date of late 2025.

## Experience

**2019 - Present**

**Emory University School of Medicine**
Academic Research Scientist, Atlanta, GA
Collaborated with diverse teams at diverse teams at Emory, Veterans Affairs, Georgia Tech, Georgia State, and the Shepherd Center on human and rodent neuroimaging projects. Projects included epilepsy, aging, Alzheimer's disease and mild cognitive impairment, neuropathic pain, vestibular impairment in concussion patients, and effects of mindfulness meditation in healthcare trainees. Performed fMRI, volumetric-morphometric, spectroscopic, and frequentist, Bayesian, and machine learning analyses.

**2015 - 2022**

**Bold & Stark LC**
Owner/Neuroinformaticist, Woodstock, GA
Provided contract human and rodent data analytics, communications, visualization, and programming services to federal, state, and private institutions. Delivered weekly and final reports to clients. Managed social media presence and advertising; authored web documents and interfaces in HTML5 and CSS; and ensured regulatory compliance with state entities.

**2016 - 2019**

**CNI Advantage, LLC**
Scientific Technical Writer, Decatur, GA
Created scientific documentation regarding restricted bioagents and toxins, biosafety containment, and related regulation for government entities and reviewed work of other writers for accuracy and quality.

## 2016 - 2017

**Georgia Public Broadcasting**
Technical Production Consultant, Atlanta
Authored content for, and served as onsite consultant during filming of, an educational video series on physics for Georgia high school students. Generated briefing documents and supplementary materials, reviewed filming scripts, provided feedback regarding technical accuracy of content and pedagogy, and created and collaborated on educational enrichment activities.

## 2014 - 2015

**Stepping Stones Museum for Children**
Educator/STEM Specialist, Norwalk CT
Designed and taught STEM/STEAM classes and activities for children aged 3-11 at the museum, New York and Connecticut schools, and other locations. Served as Science Advisor for the Museum: directed exhibit and event planning, mentored science-based Gallery Team, and reviewed documents and lesson plans for scientific accuracy and clarity. Designed and built electromechanical learning aids and performed bench testing and repair of electromechanical devices in exhibits to support Engineering staff. Provided pedagogical and science training and resources to other educators and museum staff.

## 2009 - 2014

**Albert Einstein College of Medicine**
Associate Faculty, Bronx, NY
Served as neuroscientist, project manager, programmer, and data analyst for diverse basic and clinical/translational research projects. Responsible for human and animal MRI, DTI, and PET/CT data acquisition and maintenance as well as routine animal neuro- and vascular surgeries. Authored technical dossiers and whitepapers, literature reviews, and written and multimedia training materials (scientific compute cluster usage, programming, neuroscience, and surgery). Led programming team to design and implement an automated, expert-systems/machine learning data processing pipeline on a supercomputing cluster. Performed statistical analysis and predictive analytics of large, multidimensional MRI datasets using AFNI, FSL, SPM, and other toolkits, presented research findings at biomedical conferences and in scientific journals, and instituted and led Educational Outreach programs.

## Contact

⌂ Woodstock, Georgia
☎ (404) 989-0524
✉ jeremylsmithphd@gmail.com

🌐 www.jlsmithphd.com
**in** jeremylsmithphd

# Education

**2021 - Present**   **MA, Marriage and Family Therapy**
National University, San Diego, CA
Specialization in Medical Family Therapy
(MedFT). Pre-graduate clinical supervision will
begin in October 2023, with an expected
graduation date of November 2024.

**2018 - 2020**   **MS, Data Science**
Utica University, Utica, NY
Specialization in Cyberintelligence

**2006 - 2009**   **Postdoctoral Research Fellow, Medical Physics**
Nathan Kline Institute, Orangeburg, NY
Served as neuroscientist and data analyst for
numerous clinical research projects in
humans and animals, and provided surgical,
statistical, educational, and MRI operational
support.

**2002 - 2008**   **PhD, Neuroscience**
Michigan State , East Lansing, MI
Specialization in systems neurobiology and
neuroimaging

**1998 - 2002**   **BS, Biology**
Georgia State, Atlanta, GA
Specialization in Molecular Biology

# Projects

2004-present   **MEMORY, AGING, AND STROKE**
*Emory University, Einstein College of Medicine*
Structural changes in the hippocampus in early
stages of Alzheimer's disease; neuroendocrine
correlates of Alzheimer's; long-term memory
storage, stability, and retrieval; ischemia and
ischemic preconditioning; neurodevelopment

2021-present   **COMPASSION, EMPATHY, AND BURNOUT**
*Emory University*
Functional brain changes with compassion and
empathy training and mindfulness interventions;
factors contributing to provider burnout

2014-present   **CHRONIC PAIN AND BRAIN TRAUMA**
*Emory University, Einstein College of Medicine*
Etiology and treatment of TMD and fibromyalgia;
structural correlates of chronic pain; modulation
of pain by affective brain networks