

Curriculum Vitae

Education

Now **Doctor of Philosophy**, Cognitive Science, University of California – San Diego (UCSD)
 2012 **Bachelor of Arts**, Mathematics, University of South Florida (USF)
 2010 **Bachelor of Arts**, Psychology, New College of Florida (NCF)

Publications

Gougelet, R. J. (2019). Neural oscillation dynamics of emerging interest in neuroergonomics. Invited chapter for Elsevier book *Neuroergonomics: The Brain at Work in Everyday Life*.

Datko, M., **Gougelet, R. J.**, Huang, M. X., & Pineda, J. A. (2016). Resting state functional connectivity MRI among spectral MEG current sources in children on the autism spectrum. *Frontiers in Neuroscience*, *10*, 258.

Posters & Presentations

Gougelet, R. J., Miyakoshi, M., Voytek, B., Makeig, S. (2018). Oscillatory mechanisms of planning vs. memory. Poster presented at Society for Neuroscience, San Diego, CA.

Gougelet, R. J., Ouyang, A. C., Patel, R. D., Wang, X., Voytek, B. (2016). Evaluating high-resolution frequency spectral estimation approaches to real-time frequency modulation neurofeedback. Poster presented at Society for Neuroscience, San Diego, CA.

Gougelet, R. J., Terzibas, C., Callan, D. E. (2016). Neuroergonomic multimodal neuroimaging during a simulated aviation pursuit task. Talk presented at Neuroergonomics Conference, Paris, FR.

Gougelet, R. J., Donoghue, T., Piper, M., Althoff, A., Urbach, T. P., Voytek, B. (2015). Influencing visual target detection with oscillatory phase-specific stimulus presentation. Poster presented at Society for Neuroscience, Chicago, IL.

Goodman, S., Sharma, R., Datko, M., **Gougelet, R. J.**, Donoghue, T., Castro, N., Sloan, M., Gomez, D., Courelli, A., Onder, Y., Pineda, J. A. (2015) Paving the way for real-time functional imaging in autism: Preliminary results from a combined neurofeedback and biofeedback intervention. Poster presented at the Real-Time Functional Imaging and Neurofeedback Conference, Gainesville, FL.

Scheiner, G. K., Soghoyan, G. Z., **Gougelet, R. J.**, Vahid, A. M., Pineda, J. A. (2015). Changes in EEG, mindfulness, and self-experiential state through Guided Subtraction Meditation. Poster presented at Society for Neuroscience, Chicago, IL.

Soghoyan, G. Z., Scheiner, G. K., **Gougelet, R. J.**, Vahid, A. M., Pineda, J. A. (2015). EEG-mediated perceived stress reduction through Guided Subtraction Meditation. Poster presented at Society for Neuroscience, Chicago, IL.

Datko, M., **Gougelet, R. J.**, Metke, M., Donoghue, T., Kirchgessner, M., Castro, N., Huang, M. X., Pineda, J. A. (2015). MEG source modeling during imitation, observation, and resting state in children on the autism spectrum. Talk presented at Society for Neuroscience, Chicago, IL.

Gougelet, R. J., Makeig, S. (2014). EEG and kinematic temporal dynamics during a dart throwing visuospatial working memory task. Poster presented at Cognitive Neuroscience Society, San Francisco, CA.

Curriculum Vitae

- Gougelet, R. J.**, Miyakoshi, M., Birger, A., Cummins, C., Le, J., Wooten, A., Makeig, S. (2014). Mobile Brain/Body Imaging: Combined EEG and motion capture during a dart throwing visuospatial working memory task. Poster presented at Society for Neuroscience, Washington D.C..
- Bylsma, L. M., White, K. E., **Gougelet, R. J.**, Salomon, K. & Rottenberg, J. (2012). Attenuated cardiovascular reactivity in depression is mood-state dependent. Poster presented at the Annual Meeting of the Society for Psychophysiological Research, New Orleans, LA.
- Gougelet, R. J.** (2010) The Mu rhythm: An electrophysiological measure of motor, emotional, and cognitive empathy. Thesis defense before committee, New College of Florida, Sarasota, FL.
- Gougelet, R. J.** (2008) Using biocybernetics to create adaptive cognitive-based learning environments. Poster presented at the USRP Poster Session, NASA Langley Research Center

Awards & Internships

- 2017 **Summer Graduate Teaching Scholar**, UCSD
Group and personalized training for teaching at the college level
Advisor: Dr. Erilynn Heinrichsen
- 2015 **NSF EAPSI Fellowship**, Center for Information and Neural Networks, Osaka University
Neuroergonomic multimodal neuroimaging during an aviation pursuit task
Advisor: Dr. Daniel Callan
- 2013 **JPLSIP Intern**, NASA Jet Propulsion Laboratory
Microwave biosensing for emergency and disaster response
Advisor: Dr. James P. Lux
- 2008 **USRP Intern**, NASA Langley Research Center
Using biocybernetics to create adaptive cognitive-based learning environments
Advisors: Dr. Alan Pope, Dr. Thomas Pinelli, Robert Starr, M.A.

Research

- Now **Dissertation**, Cognitive and Neural Dynamics Lab, UCSD
Neural oscillations mediate the temporal dynamics of sensorimotor integration
Advisor: Dr. Bradley Voytek
Committee: Drs. Lara Rangel, Scott Makeig, Seana Coulson, John Serences, Scott Klemmer
- 2017 **Graduate Researcher**, Swartz Center for Computational Neuroscience, UCSD
Classifying EEG cognitive states in a high-load, high-complexity simulated environment
Advisor: Dr. Scott Makeig
- 2013 **Graduate Researcher**, Cognitive Neuroscience Laboratory, UCSD
MRI, MEG, and EEG analysis of neurofeedback treatment in autism
Advisor: Dr. Jaime Pineda
- 2012 **Research Project Coordinator**, Mood and Emotion Laboratory, USF
Vagal fluctuation as a predictor of current and future depression

Curriculum Vitae

Advisors: Drs. Jonathan Rottenberg, Kristen Salomon

- 2011 **Research Technician**, Florida Mental Health Institute, USF
 Personality and brain responses to visual stimuli
 Advisors: Drs. Jason Hall, Eva Kimonis
- 2010 **Honor's Thesis**, NCF
 The Mu rhythm: An electrophysiological measure of motor, emotional, and cognitive empathy
 Advisors: Drs. Gordon Bauer, Heidi Harley, Yecmettin Yildirim

Teaching

- Now **Graduate TA**, Intro to Data Science, UCSD, with Dr. Shannon Ellis
- 2018 **Senior TA**, Cognitive Science Department, UCSD
 Overseeing course evaluations, faculty/TA cooperation, and training of new TA's in the department
Graduate TA, Prototyping, UCSD, with Dr. Steven Dow
Instructor of Record, Introduction to Statistical Analysis, Cognitive Science Department, UCSD
Instructor of Record, Introduction to Statistical Analysis, Cognitive Science Department, UCSD
Graduate TA, Usability and Information Architecture, UCSD, with Dr. Mary Boyle
Graduate TA, Intro to Data Science, UCSD, with Dr. Bradley Voytek
- 2017 **Senior TA**, Cognitive Science Department, UCSD
 Overseeing course evaluations, faculty/TA cooperation, and training of new TA's in the department
Instructor of Record, Introduction to Statistical Analysis, Cognitive Science Department, UCSD
Graduate TA, Cognitive Design Studio, UCSD, with Dr. Nan Renner
- 2016 **Graduate TA**, Intro to Human-Computer Interaction, UCSD, with Dr. Scott Klemmer
Graduate TA, Intro to Human-Computer Interaction, UCSD, with Dr. Philip Guo
Graduate TA, Modeling and Data Analysis, UCSD, with Jake Olson
Graduate TA, Intro to Data Science, UCSD, with Dr. Bradley Voytek
Graduate TA, Intro to Human-Computer Interaction, UCSD, with Dr. Scott Klemmer
- 2015 **Graduate TA**, Intro to Human-Computer Interaction, UCSD, with Dr. Scott Klemmer
- 2014 **Massive Online Open Course (MOOC) TA**, Learning How to Learn, Coursera, with Dr. Barbara Oakley, Dr. Terrence Sejnowski
Graduate TA, Neuroanatomy and Physiology, UCSD, with Dr. Jaime Pineda
Graduate TA, Psychopharmacology, UCSD with Dr. Michael Datko
Graduate TA, Cognitive Ethnography, UCSD with Dr. Edwin Hutchins
- 2013 **Graduate TA**, Distributed Cognition, UCSD with Dr. Edwin Hutchins
Graduate TA, Introduction to Statistical Analysis, UCSD with Dr. Raphael Nunez
Graduate TA, Psychopharmacology, UCSD with Dr. Matthew Schalles
- 2012 **Undergraduate Physics/Mathematics Tutor**, Tampa, FL
- 2009 **Undergraduate TA**, Developmental Psychology, NCF with Dr. Michelle Barton
- 2008 **Undergraduate TA**, Calculus II, NCF with Dr. David Mullins

Curriculum Vitae

Work and Volunteering

- 2017 **Center for the Integration of Research, Teaching, and Learning Associate, UCSD**
NSF funded certification course for implementing and advancing effective teaching practices
- 2016 **Cognitive Science Department Graduate Student Association Representative, UCSD**
Representing graduate student constituents of the department in student government proceedings
- University Centers Advisory Board, UCSD**
Representing graduate students in designing university center spaces and services
- 2015 **GrAdvantage Leadership and Teamwork Certification, UCSD**
Year-long leadership and project management training for academia and industry, culminating in a project on equality, diversity, and inclusion at UCSD presented to Vice Chancellor Becky Pettit
- Cognitive Science Department Graduate Student Association Representative, UCSD**
Representing graduate student constituents of the department in student government proceedings
- 2014 **Cognitive Science Department Graduate Outreach Coordinator, UCSD**
Organizing outreach and volunteer events for the department
- Cognitive Science Department Graduate Representative, UCSD**
Representing graduate student constituents of the department in intradepartmental affairs
- 2011 **Active Minds, USF**
Member, website manager, volunteer
- 2007 **YMCA READS! Volunteer, Sarasota Family YMCA Center**
Reading skills tutoring with middle school children
- Head Start Program Volunteer, Sarasota Children First Center**
Teachers aid for Pre-K curriculum
- 2006 **Working Advocates for Vanishing Ecosystems Volunteer, Lowry Park Zoo**
Ecological field sample collection and analysis