

Brian T. Quinn, Ph.D.

DATA OPERATIONS LEADER · NEUROSCIENTIST

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Summary

Ph.D.-trained data scientist and former neuroscientist with extensive experience leading multi-disciplinary teams, managing complex data programs, and implementing scalable operational processes. Proven ability to translate scientific and analytical insights into actionable workflows and standardized reporting. Skilled at coordinating across research, engineering, and business stakeholders to ensure consistent execution, quality control, and accuracy.

Work Experience

CHARTER COMMUNICATIONS

Stamford, CT

SENIOR MANAGER – DATA & REPORTING, PROGRAMMING OPS & ANALYTICS

Sept 2019 - Present

- Supported Content Acquisition team with valuations and cost estimates of network viewing.
- Researched and designed customer affinity scores for Marketing outreach.
- Led a team of analysts in research of off-platform content to support negotiations with Content Programmers.
- Managed a team of developers and analysts to automate reporting and standardize processes for 200+ networks.
- Partnered cross-functionally with Legal, Product, Marketing, and Engineering teams to align on sensitive data workflows.
- Managed client relationships and deliverables for \$5M+ contracts.

COMCAST

New York, NY

LEAD DATA SCIENTIST

Sept 2016 - Sept 2019

- Modeled viewing and viewer surveys in support of content negotiation that produced significant cost savings for Comcast.
- Created Audience Activation framework and supervised product development for targeted advertising based on viewing affinity.
- Constructed Programming Insights reporting tool from set-top box data to provide audience insights to programming teams.
- Led initiative to explore and incorporate new digital viewing data and ad spot data with existing sources.

BURKE MEDICAL RESEARCH INSTITUTE

White Plains, NY

DATA SCIENTIST

July 2016 - Sept 2016

- Built interpretable models in R to predict patient outcomes for multi-site low-cost remote monitoring programs.
- Conducted applied research to identify movement biomarkers, supporting the development of low-cost scalable monitoring protocols.

THE DATA INCUBATOR

New York, NY

DATA SCIENTIST FELLOW

2015

- Selected from over a thousand applicants to participate in a rigorous 2 month fellowship
- Completed numerous projects involving web scraping, SQL, NLP, machine learning, and MapReduce

NEW YORK UNIVERSITY

New York, NY

PH.D. CANDIDATE

2006 - 2013

- Collected and analyzed large human electrophysiology data for multisensory integration experiments.
- Developed machine learning software to automatically detect abnormal brain tissue in MRIs.
- Designed web-based visualization tools for remote collaboration and feedback among distributed research teams.

MARTINOS CENTER FOR BIOMEDICAL IMAGING/HMS/MIT

Charlestown, MA

RESEARCH TECHNICIAN

2002 - 2006

- Worked with a team of researchers and developers to create and support FreeSurfer software (used by thousands of scientists)
- Led training and supported over 200 international researchers through phone, email, and site visits
- Authored more than 20 peer-reviewed articles in scientific journals

Education

New York University

New York, NY

PH.D. IN NEURAL SCIENCE

2013

- Focus: Computational Neuroscience, Dynamic Systems Analysis, Machine Learning

University of Iowa

Iowa City, IA

B.S.E. IN BIOMEDICAL ENGINEERING

2001

- Focus: Computer Science, Electrical engineering, Statistics

Technical Skills & Interests

Programming/Scripting Languages	Python, R, SQL, Spark, Hive, Impala, Tableau, Javascript, C/C++, bash/tcsh, \LaTeX
Subject Matter Interests	Health Science, Data Analysis, Machine Learning, Recommendation Systems
Awards & Publications	NeuroImage Top Cited Article 2006-2010, Author of 36 Peer-Reviewed Articles

Volunteering

North Brooklyn Community Boathouse

CANOE INSTRUCTOR & STEERING MEMBER & SAFETY COMMITTEE

Brooklyn, NY

2014-Present

- Managed the budget, organization, safety protocols, and maintenance of canoe services for over 300 members.
- Help collect and transport water samples at various locations along the East River for water quality testing.

Publications

PUBLICATION HIGHLIGHTS

Intracranial cortical responses during visual-tactile integration in humans	Journal of Neuroscience 2014
Quinn BT, Carlson C, Doyle W, Cash S, Devinsky O, Spence C, Halgren E & Thesen T	
An automated labeling system for subdividing the human cerebral cortex on MRI scans into gyral based regions of interest	Neuroimage 2006
Desikan RS, Ségonne F, Fischl B, Quinn BT, Dickerson BC, Blacker D, Buckner RL, Dale AM, Maguire RP, Hyman BT, Albert MS, Killiany RJ	
Cortical feature analysis and machine learning improves detection of "MRI-negative" focal cortical dysplasia	Epilepsy & Behavior 2015
Ahmed B, Brodley C, Blackmon K, Kuzniecky R, Barash G, Carlson C, Quinn BT, Doyle W, French J, Devinsky O, Thesen T	
Thickness of ventromedial prefrontal cortex in humans is correlated with extinction memory	PNAS 2005
Milad MR, Quinn BT, Pitman RK, Orr SP, Fischl B, Rauch SL	

ADDITIONAL PUBLICATIONS

Cortical thickness abnormalities associated with dyslexia, independent of remediation status	Neuroimage Clinical 2014
Functional neuroimaging abnormalities in idiopathic generalized epilepsy	Neuroimage Clinical 2014
Structural brain imaging in children and adolescents following prenatal cocaine exposure: preliminary longitudinal findings	Developmental Neuro 2014
Septal nuclei enlargement in human temporal lobe epilepsy without mesial temporal sclerosis	Neurology 2013
Default mode network abnormalities in idiopathic generalized epilepsy	Epilepsy & Behavior 2012
Individualized localization and cortical surface-based registration of intracranial electrodes	Neuroimage 2011
Abnormalities of cortical thickness in postictal psychosis	Epilepsy & Behavior 2011
Prolonged institutional rearing is associated with atypically large amygdala volume and difficulties in emotion regulation	Developmental Science 2010
Regional white matter volume differences in nondemented aging and Alzheimer's disease	Neuroimage 2009
The effect of early human diet on caudate volumes and IQ	Pediatric Research 2008
Detection of cortical thickness correlates of cognitive performance: Reliability across MRI scan sessions, scanners, and field strengths	Neuroimage 2008
Abnormal cortical folding patterns within Broca's area in schizophrenia: evidence from structural MRI	Schizophrenia Research 2007
Volumetric cerebral characteristics of children exposed to opiates and other substances in utero	Neuroimage 2007
Feasibility of multi-site clinical structural neuroimaging studies of aging using legacy data	Neuroinformatics 2007
Regional cortical thickness matters in recall after months more than minutes	Neuroimage 2006
Neuroimaging H.M.: a 10-year follow-up examination	Hippocampus 2006
Meditation experience is associated with increased cortical thickness	Neuroreport 2005
Effects of age on volumes of cortex, white matter and subcortical structures	Neurobiology of Aging 2005
Sequence-independent segmentation of magnetic resonance images	Neuroimage 2004