

# Brendan Frick

610-350-7894  
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github.com/BrendanFrick

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Analytical researcher and programmer with practiced understanding of data engineering and statistical modeling. Seeking opportunity to engineer analysis frameworks that solve complex problems in financial industries.

## Skills

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<b>Data analysis</b>	statistics, machine learning, modeling, signal processing
<b>Data engineering</b>	pipelines, databases, distributed systems, parallel processing
<b>Programming</b>	Python, MATLAB, C++, SQL, bash, git, Netlogo
<b>Communication</b>	data-visualization, presentation, documentation, collaboration, Q&A site participation

## Education

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<b>Brown University, Providence, RI</b> Coursework in fMRI analysis and neural dynamics	January 2017 — June 2017
<b>Northwestern University, Evanston, IL</b> <b>McCormick School of Engineering</b> B.S Triple Major	September 2012 — June 2016
Computer Science Major	<b>Theory (VLSI applications) and AI dual concentration</b> <i>Advisor: Ken Forbus, PhD</i>
Neuroscience Major	<b>Computation and Systems Modeling concentration</b> <i>Advisor: Valerie Kilman, PhD</i>
Integrated Science Major	<b>Computational Biology Focus</b> <i>Advisor: Andre de Gouvea, PhD</i>

## Experience

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<b>Computational Neuroscience Research Programmer</b> Badre Lab   Brown University   Providence, RI	June 2016 — Present
Development of analysis pipeline for intracranial recording data in working memory paradigms	
<b>Undergraduate Research Assistant   Research Programmer</b> Radulovic Lab   Feinberg School of Medicine   Chicago, IL	April 2014 — June 2016
Testing of electrophysiological state representations of fear and memory in rodent memory networks	
<b>Undergraduate Research Assistant   Research Programmer</b> Segraves Lab   Northwestern University   Evanston, IL	December 2012 — April 2014
Development of computational models for object relevance in primate frontal-eye-field	
<b>Design Innovation Intern</b> Segal Design Institute   Northwestern University   Evanston, IL	June 2013 — October 2013
Prototyping of deformation monitor for Winnetka Park District water tank	

## Leadership

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<b>Northwestern University Neuroscience Club</b> <i>Founding Board Member (2014), Journal Club Chair (2014-16)</i>	January 2014 — June 2016
Student led group founded to engage undergraduate students in neuroscience research and catalyze the creation of an undergraduate Neuroscience Major at Northwestern University. Organized and facilitated group meetings reviewing academic papers. Established Neuroscience Major in June 2016.	
<b>Alternative Student Breaks – Northwestern University</b> <i>Program Director (2014-15), Site Development Coordinator (2015-16), Trip Leader (x4)</i>	September 2012 — June 2016
Student run group responsible for planning and executing ~30 weeklong service learning trips each school year. Managed 15 person executive board, balanced >\$30,000 budget, and oversaw all operations as Program Director.	

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