**Chris Angeloni**  
Philadelphia, PA

Tel: (443) 615-6965

Email: [chris.angeloni@gmail.com](mailto:chris.angeloni@gmail.com)

Website: [www.chrisangeloni.com](http://www.chrisangeloni.com/)

**Profile**

PhD candidate in Psychology with 8+ years of experience in experimental design and analysis in academic settings. Experienced in designing experimental hardware and software and constructing data processing/analysis pipelines using a variety of data sources (human fMRI, EEG, eye-tracking and animal electrophysiology and behavior). Analytic techniques include parametric and non-parametric statistics, generalized linear models/regression models, and advanced machine learning. Presently seeking a Research Scientist position in a creative and forward-moving company.

**Skills**

**Methods:** electrophysiology, NIDAQ & Arduino programming, fMRI, EEG, machine learning, generalized linear models, signal processing and generation, experimental design and implementation in auditory neuroscience

**Programming:** MATLAB, Linux/Bash, Python, R, HTML/CSS, Arduino, JavaScript, openGL

**Experience**

**Graduate Student**

*University of Pennsylvania, Philadelphia, PA:* *August 2014 – present*

* Designed and implemented electrophysiology experiments recording from mouse auditory cortex
* Developed new experimental rigs for acoustic stimulation and recording of electrophysiological and behavioral data
* Received multiple grant awards supporting research in neuroscience and supporting training in machine-learning and probabilistic modelling

**OIST Computational Neuroscience Course**

*Okinawa Institute of Science and Technology, Okinawa, Japan: June 2018*

* Selected from a limited applicant pool to attend this computational neuroscience training course
* Designed and implemented leaky-integrate-and-fire models of networks of neurons in Python

**Research Analyst**

*University of Pennsylvania, Nashville, TN: June 2012 – June 2014*

* Designed processing pipelines for functional magnetic resonance imaging data and eye-tracking data
* Aided in developing novel fMRI scanning protocols for ultra-fast scanning of small areas of tissue, as well as high resolution structural imaging using 7T scanners
* Developed independent research projects studying visual attention using eye-tracking, and spatial representations in the human hippocampus during virtual navigation

**Education**

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| **PhD Candidate** | Psychology  *University of Pennsylvania, Philadelphia, PA*  GPA: 3.9 | Aug 2014 - present |
| **B.S. & B.A.** | Neuroscience & Studio Art  *Lafayette College, Easton, PA*  *Magna cum laude -* GPA: 3.9 | May 2012 |

**Awards**

**Predoctoral Ruth L. Kirschstein National Research Service Award** *(NIDCD F31-DC016524)*

**IGERT Traineeship in Complex Scene Perception** *(NSF 0966142)*

**Rappolt ’67 and Oeschle ’57 Neuroscience Prize**