Colin Gerber

Web: www.ColinGerber.com

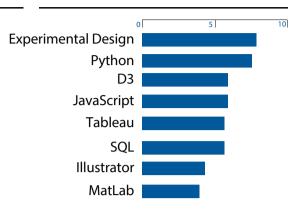**Email:** colin.gerber@gmail.com

Phone: 858 775 0580

EDUCATION

2013 - Present — **I School at UC Berkeley**

MIMS (Masters in Information Management and Systems)

2007 - 2011 — **UC Santa Barbara**

BS Neuroscience

SKILLS

- Experimental Design
- Python
- D3
- JavaScript
- Tableau
- SQL
- Illustrator
- MatLab

WORK EXPERIENCE

2014 - Present — **Illumina**

Global Marketing Data Scientist

- Developing a wide spread metrics platform.
- Working with a variety of stakeholders to incorporate wide range of requirements into the development of the platform.
- Skills: Python, SQL, JavaScript, Tableau

2014 - 2014 — **Illumina**

Global Marketing Intern

- Built a metrics reporting tool from the ground up.
- Skills: Python, SQL

2013 - Present — **Homeland Security Fellowship - Nuclear Forensics**

Graduate Research Assistant

- Developing a program to identify the Nuclear Reactor type of unknown fuel cell samples.
- Skills: Python, Machine Learning

2011-2013 — **National Institutes of Health**

Postbaccalaureate Intramural Research Training Award

- Developed experiments looking into the motor deficits seen in Parkinson's Disease patients.
- Created several scripts and workflows that greatly increased the efficiency of data analysis being done in the lab.
- Skills: MatLab, Spike 2, Electrophysiology, Neuropharmacology

2009-2011 — **UC Santa Barbara**

Research Assistant

- Created MatLab algorithms to analyze experimental and fMRI data.
- Ran category learning experiments with human subjects.
- Skills: MatLab, Human Subject Research

PUBLICATIONS

Journal of Neuroscience:

State Dependent Spike and Local Field Synchronization between Motor Cortex and Substantia Nigra in Hemiparkinsonian Rats - 2012

SFN San Diego:

Motor Cortex and Prefrontal Cortex Show Coherence with Subthalamic Nucleus Activity in Different Beta and Gamma Frequency Ranges in Awake Behaving Hemiparkinsonian Rats - 2013

SFN San Diego:

High Gamma Cortical Activity in the Development of L-dopa-Induced Dyskinesia in a Rodent Model of Parkinson's Disease - 2013

Interests

Water Polo

Public Education - Quora.com

Science Fiction Literature