

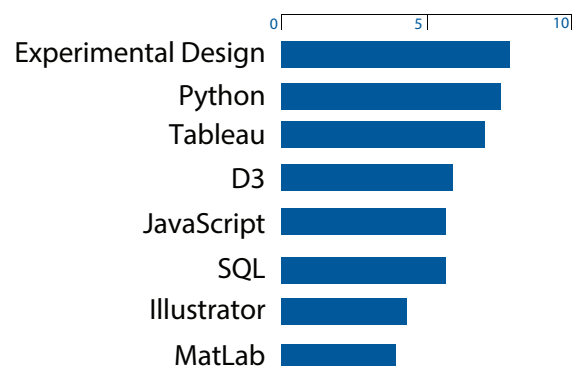
# Colin Gerber

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## EDUCATION

- 2013 - 2015 + I School at UC Berkeley  
[MIMS \(Masters in Information Management and Systems\)](#)
- 2007 - 2011 + UC Santa Barbara  
[BS Neuroscience](#)

## SKILLS



## WORK EXPERIENCE

- 2014 - 2015 + **llumina**  
[Global Marketing Data Scientist - Contractor](#)
  - Responsible for all metrics related to large scale app and instrument platform.
  - Collected requirement from a variety of business units to create targeted metric reports.
  - Skills: Python, SQL, JavaScript, Tableau
- 2014 - 2014 + **llumina**  
[Global Marketing Intern](#)
  - Built a metrics reporting tool from the ground up.
  - Skills: Python, SQL, JavaScript, Tableau
- 2013 - 2015 + **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:**  
Subthalamic nucleus activity in the awake hemiparkinsonian rat: relationships with motor and cognitive networks - In Press

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

**Artificial Intelligence in Education:**  
Understanding Student Success in Chemistry using Gaze Tracking & Pupillometry - 2015

**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

## Interests

Water Polo  
Public Education - Quora.com  
Science Fiction Literature