Last Updated on 30th May 2023

# Noam Miller

609-955-4915 @ noammiller99@gmail.com

## Education

### PRINCETON UNIVERSITY

A. B. German, magna cum laude

May 2022 Princeton, NJ

- 3.9 GPA, Minor in CS
- Allen G. Shenstone Prize in Physics (May 2019)
- Mary Cunningham Prize in German (Sept 2020)
- Victor Lange Senior Thesis Prize (May 2022)

### BOSTON PSYCHOANALYTIC SOCIETY AND INSTITUTE

Community Partner

October 2022 Newton, MA

- Attend lectures on psychoanalysis
- Also enrolled at Massachusetts Institute for Psychoanalysis

## Links

Old GitHub **noammiller**
Current GitHub **silascoder**
Debian Salsa **silascoder**
Linkedin **Noam Miller**

## Coursework

**Computer Science:**
Algorithms and Data Structures
Introduction to Programming Systems
Functional Programming
Information Security
Natural Language Processing
**Physics:**
Integrated Science Curriculum (Biophysics)
Classical Mechanics
Quantum Mechanics
**Senior Thesis:**
*Wissenschaftlichkeit* in Freud: Scientific Reduction and the Ghost of the *Entwurf*

## Skills

### PROGRAMMING

Python • Java • C • OCaml • MATLAB

### MISCELLANEOUS

GNU/Linux • Shell • LaTeX • Git

## Experience

### VOLUNTEER SPONSORED MAINTAINER

OCaml Task Force | Debian

December 2022 – ongoing remote

- Adapt upstream OCaml packages for Debian distribution
- Identify and address bugs, maintain and build packages
- Communicate with international team of remote developers
- Read all of *The Linux Programming Interface* by Michael Kerrisk

### STEM TUTOR

High School and College-level Tutor

Sept 2018 – ongoing Boston, MA

- Integrated Science Curriculum tutor at Princeton (9/18 - 6/20)
- Algorithms and Data Structures tutor (9/19 - 6/22)
- Help incarcerated students at Petey Greene Program (1/20 - 6/22)
- Princeton Tutoring, Wyzant, and Ivy Squared (10/21 - ongoing)

### LEGAL RESEARCH ASSISTANT

Professor Eric Talley | Columbia Law School

June 2020 – Aug 2020 New York, NY

- Parsed corporate SEC filings to track changes in *Force majeure* language in corporate charters in the wake of the 2008 recession and the Covid-19 pandemic

### RESEARCH ASSISTANT

Romanczuk Lab | Humboldt University

July 2019 – Aug 2019 Berlin, Germany

- Developed pipeline for analyzing fish movement using neural networks
- Developed novel analytic technique to identify low-resolution artifacts in the data

### RESEARCH ASSISTANT

Norman Lab | Princeton University

May 2018 – May 2019 Princeton, NJ

- Developed Python library adaptation of the LEABRA algorithm for modeling of biological neural networks
- Worked with Git, Codecov, and other tools to ensure stable release of Python library

## Other Activities

### CROSS COUNTRY BIKE TRIP

Organizer and Participant

June 2021 - Aug 2021 USA

Completed shorter trips: New Jersey ⟷ Connecticut, New Jersey → Ohio

## Publications and Projects

"Leabra7: a Python package for modeling recurrent, biologically-realistic neural networks" Greenidge, C. D., Miller, N., & Norman, K. (2018). *arXiv*.

"Exploring the Performance of DINOs (Datasets from Instructions) generated from pretrained language models" Lam, K., Miller, N. & Weisberg, D. (2022). COS 484 Final Project.