

## 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 •  $\text{\LaTeX}$  • Git

## Experience

### DEBIAN 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  $\longleftrightarrow$  Connecticut, New Jersey  $\rightarrow$  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.