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

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
- Self-study *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 $\to$ 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.