

Education

PRINCETON UNIVERSITY

A. B. GERMAN, magna cum laude

📅 May 2022 📍 Princeton, NJ

- Minor in Computer Science
- 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 classes and lectures on psychoanalysis
- Also enrolled at Massachusetts Institute for Psychoanalysis

Links

- 🐙 Old GitHub **noammiller**
- 🐙 Current GitHub **silascoder**
- 🐙 Debian Salsa **silascoder**
- in 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 GNU operating system to support Debian

STEM TUTOR

HIGH SCHOOL AND COLLEGE-LEVEL TUTOR

📅 Sept 2018 – ongoing 📍 Boston, MA

- Group tutor for the Integrated Science Curriculum at the Lewis-Sigler Institute at Princeton (Sept 2018 - June 2020)
- Individual tutor for Algorithms and Data Structures course within the Computer Science Department at Princeton (Sept 2019 - June 2022)
- Volunteer STEM tutor for Petey Greene Program to help incarcerated students (Jan 2020 - June 2022)
- Individual tutor for organizations including Princeton Tutoring, Wyzant, and Ivy Squared (Oct 2021 - 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

📅 June 2021 - Aug 2021 📍 USA

- Organized and participated in attempted cross country bike trip
- Completed shorter trips:
New Jersey \longleftrightarrow Connecticut
New Jersey \rightarrow Ohio

Publications

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