Noam Miller

📞 609-955-4915 @ noammiller99@gmail.com

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**
- 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 • OCaml • MATLAB

MISCELLANEOUS
GNU • Shell • LaTeX • Git

Experience

RESEARCH ASSISTANT
PROFESSOR MICHAEL JENNINGS | PRINCETON UNIVERSITY
📅 June 2020 – Aug 2020 📍 Princeton, NJ
- Summarized and catalogued TV produced by German author and director Alexander Kluge

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

TUTOR
HIGH SCHOOL AND COLLEGE-LEVEL STEM 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)

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 ⟷ Connecticut
  New Jersey → Ohio

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