Kamron Soldozy
6740 Frist Campus Center | Princeton, NJ 08544 | 571-435-2666 | ksoldozy@princeton.edu

EDUCATION

Princeton University

- **GPA:** 3.92; **Science GPA:** 3.92
- **Major:** Neuroscience
- **Minors:** German; Statistics and Machine Learning; Gender and Sexuality Studies
- **Relevant Coursework:** Computational Neuroscience; Biochemistry; Intro to Data Science
- **Clubs and Activities:** Princeton Powerlifting; Scholars Institute Fellows Program Member
- **Coding Languages:** Python, R, Julia Pro, Matlab, Java
- **Skills:** ICD/CPT Billing; Original Research; Operating on Mice (Craniotomies)
- **Shadowing Experience:** Dr. Charles Cobbs, *Swedish Neuroscience Institute* (50 hours); Dr. Michael Armstrong, *Richmond ENT* (40 hours); Dr. Viet Le, *ACN Wellness* (80 hours)
- **Awards:**
    - Princeton University Barry Goldwater Scholarship Nominee (2019-2020)
    - "Princeternship" Awardee to Shadow Princeton Medical Alumni ($1300 Travel Grant in 2018-2019; $650 Travel Grant in 2019-2020)
    - Mary W. George Freshman Scholar (2018)
    - Momeni Foundation Scholar (2018)
    - USA Powerlifting 2nd Place Finish 83kg Divisions: Junior (2019), Teen III (2018)
    - American Association of Teachers of German (AATG) Academic Scholarship Recipient for a subsidized trip and stay in Germany (2017)

RESEARCH EXPERIENCE

Human Connectome Project (HCP): Investigating Multi-Scale Brain Dynamics June 2020 – Present

Stamoulis Lab for Computational Neuroscience

- Map structural and functional connectivity to investigate neurodevelopmental disorders
- Analyze fMRI data from the Adolescent Brain Cognitive Development Study (ABC)

Phase Dependent Encoding of Sensory and Memory Information in Mouse Auditory Cortex October 2018 – Present

Buschman Lab for Cognitive Attention

- Research encoding of sensory, memory, and predictive information in mouse auditory cortex
- Present findings biweekly to Principal Investigator and irregularly at lab meetings

Brain-Wide Dynamics in a Decision-Making Paradigm December 2019 – Present

Brody Lab for Quantitative and Computational Systems Neuroscience

- Research brain-wide dynamics in an accumulating-towers mouse paradigm
- Perform 2-photon mesoscope imaging in multiple simultaneous brain regions

Sex on the Brain: How Cognitive Scientists Think about Gender in the 21st Century June 2019 – Present

Princeton Writing Program

- Drafted a literature review on knowledge-producing practices in neuroscience
- Applied for and was granted IRB Approval to interview neuroscientists

Curbing COVID-19: Proposing US Policy Via a March 2020 – April 2020

Country-Level COVID-19 Response Analysis

- Characterized the relative stage of the COVID-19 pandemic in the US
- Identified six major policy interventions to inform US policy decision-making

The Current State of Oncolytic Virotherapy in Pediatric Glioma June 2019 – April 2020

- Co-authored a review article synthesizing ongoing developments in oncolytic virotherapy
- Publication in *Neurosurgey*: Soldozy, S., Skaff, A., **Soldozy, K.**, Sokolowski, J. D., Norat, P., Yagmurlu, K., Sharifi, K. A., Tvrdik, P., Park, M. S., Kalani, M., Jane, J. A., & Syed, H. R. (2020). From Bench to Bedside, the Current State of Oncolytic Virotherapy in Pediatric Glioma. *Neurosurgery,* nyaa247. Advance online publication. https://doi.org/10.1093/neuros/nyaa247.

Using Collocate Data to Reveal Gender Stereotyping December 2018 – March 2019
Department of Gender and Sexuality Studies

- Theorized a model for quantifying conceptualizations of gender
- Conferences and Awards: *Gender, Work, and Organization* (June 2021); *Belonging* (October 2019); Mary W. George Freshman Research Conference (March 2019); Princeton Research Day (April 2019)
- Grants: The Undergraduate Fund for Academic Conferences ($750, 2020); Department of Gender and Sexuality Studies ($400, 2020)

Extracranial-Intracranial Bypass Approach to Cerebral Revascularization October 2018 – February 2019
Department of Neurological Surgery, University of Virginia Health System

- Co-authored a review article on the development of vascular surgical techniques
- Publication in *Neurosurgical Focus*: Soldozy, S., Costello, J. S., Norat, P., Sokolowski, J. D., **Soldozy, K.**, Park, M. S., Tvrdik, P., & Kalani, M. Y. S. (2019). Extracranial-intracranial bypass approach to cerebral revascularization: A historical perspective. *Neurosurgical Focus, 46*(2), E2. https://doi.org/10.3171/2018.11.FOCUS18527

PROFESSIONAL AND VOLUNTEER EXPERIENCE

Climbing Volunteer October 2018 – Present
Peak Potential | Helping Children with Disabilities Reach New Heights

- Rock climb with children with motor disabilities for physical and mental rehabilitation

Correspondent for Undergraduate Research July 2019 – Present
Statistical Analyst November 2019 – Present
Office of Undergraduate Research

- Curate blog posts on undergraduate research experiences on campus
- Analyze website statistics to optimize outreach methods

Co-Supervisor March 2020 – Present
Baker September 2019 – March 2020
Murray-Dodge Café

- Supervise and hire a cohort of ~30 bakers to facilitate a cooperative baking environment

Medical Intern June 2019 – August 2019
St. Josephs Krankenhaus Berlin Tempelhof [St. Joseph's Hospital in Berlin]

- Observed and assisted with surgical procedures in the general surgery department
- Administered entrance exams, took patient vitals, and conducted follow-up care procedures in clinic