George Vengrovski

Education

B.S. in Neuroscience, Washington State University, (*2019-2022*)
- GPA 3.78
- Notable Courses: Organic Chemistry I; Calculus I & II; Linear Algebra; Intro to Data Structures and Algorithms; Statistics; Fundamentals of Neuro I & II; Neurophysiology; Genetics.

Research Experience

Maternal Depression and Infant Frontal Asymmetry Project *(Nov 2019 - Present)*
- Worked under Dr. Masha Gartstein in the Infant Temperament Laboratory.
- Programmed processing software in MATLAB.
- Performed experiments and collected data from human infant subjects.
- Conducted data processing in MATLAB and EEGLAB.

Free Will Research *(Aug 2021-Present)*
- Worked with Dr Joseph Campbell.
- Conducted extensive searches of the determinism, causation, and mathematical logic literatures.
- Culminated in a paper in prep on the application of Gödel's incompleteness theorems on epistemic predictability and free will.

SEA-PHAGES Research *(Aug 2020- May 2021)*
- Part of the SEA-PHAGES program.
- Conducted viral genomic positional and functional annotation.
- Used bioinformatics tools such as PECANN, NCBI databases, and phageDB.

Publications & Presentations

- Jones, V., Campagna, A. X., Bayley, J., Brown, K., Vengrovski, G., Willis, O., Underwood, J., Gonzalez, M., Hinson, J., Gartstein, M. A. (2021, September 30-October 1). *Maternal depression and infant EEG asymmetry in response to the still-face paradigm.* [Oral presentation]. Washington State University/University of Idaho Center for Reproductive Biology 2021 Annual Retreat.

Projects

Infant Temperament Lab Website *(2021)*
- Built with HTML, Wordpress, and University's CSS Library.

Professional Experience

Athletic Tutor, Washington State University, (*Aug 2021 - Present*)

- Proofread, revised, and provided feedback for writing.
- Held tutoring sessions for biology, computer science, math, and history classes.
- Constructed study plans and strategies.

Teaching Assistant (Intro Cell Biology), Washington State University, (*Jan 2021 - May 2021*)

- Assisted with delivering online lectures.
- Helped students analyze viral genomes.
- Helped assist the lecturer with office hours.
- Provided customized support for students.

Awards & Skills

- WSU President's Honor Roll Recipient *(2019, 2020, 2021)*.
- Undergraduate Research, Scholarship, and Creative Activity Grant *(2020)*.
- International Baccalaureate Diploma Holder *(2019)*.
- Bilingual (Russian, English).
- Programming experience in four languages (c/c++, MATLAB, python, javascript).
- Full stack web development experience (javascript, css, html5, flask, SQLite).