Puneet Velidi

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EDUCATION

University of Victoria — Victoria, BC
M.Sc in Statistics, Co-supervisors: Prof. Farouk Nathoo & Prof. Michelle Miranda — *Jan. 2025 – Present*

Cornell University — Ithaca, NY
B.A in Statistics & Economics — *Sep. 2018 – Dec. 2022*

RESEARCH EXPERIENCE

Graduate Researcher — Victoria, BC
University of Victoria (PI: Prof. Farouk Nathoo & Prof. Michelle Miranda) — *Jan. 2025 – Present*

Postbac Researcher — Boston, MA
Harvard Medical School & MGH (Photobiomodulation Laboratory, PI: Prof. Paolo Cassano) — *May. 2024 – Aug. 2024*

Undergraduate Researcher — Ithaca, NY
Cornell University (Computational Connectomics Laboratory, PI: Prof. Amy Kuceyeski) — *Jan. 2022 – Dec. 2022*

PROFESSIONAL EXPERIENCE

Software Engineer II — Bentonville, AR
Walmart Global Tech, EBS — *Feb. 2023 – May 2024*

AI/ML & NextGen Analytics Intern — New York, NY
Memorial Sloan Kettering Cancer Center, DigITs — *June. 2022 – Aug. 2022*

PUBLICATIONS

S. Parker Singleton*, **Puneet Velidi***, Louisa Schilling, Andrea I. Luppi, Keith Jamison, Linden Parkes, and Amy Kuceyeski. *Altered structural connectivity and functional brain dynamics in individuals with heavy alcohol use elucidated via network control theory.* **Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2024**. DOI: 10.1101/2023.11.27.568762 *co-first author

PRESENTATIONS

Poster Presentations

Puneet Velidi, Guillermo Gonzalez-Garibay, Carlos Lohmann, Stefani Kalli, Borja Ferreras, Paolo Cassano *Photobiomodulation therapy-induced volumetric brain changes on patients with depression.* Poster Presentation. Cognitive Neuroscience Society 2025 Annual Meeting. March **2025**; Boston, MA.

Puneet Velidi, Parker Singleton, Keith Jamison, and Amy Kuceyeski. *Network control analysis of individuals with substance use disorder.* Organization for Human Brain Mapping 2023 Annual Meeting Poster Presentation. July **2023**; Montreal, CA.

Oral Presentations

"*Network Control Theory in Neuroscience: Characterizing the Brain's Energy Landscape,*" Cognition and Brain Sciences Seminar @ University of Victoria, March **2025**

"*Network Control Theory in Neuroscience: Characterizing the Brain's Energy Landscape,*" UVictoria Maud Menten Institute/Mathematical and Statistical Biology Seminar, February **2025**

TEACHING EXPERIENCE

Teaching Assistant — Victoria, BC
University of Victoria, Department of Mathematics and Statistics — *Jan. 2025 – Present*

Math Support Center Tutor — Ithaca, NY
Cornell University, Department of Mathematics — *Sep. 2021 – Dec. 2022*

PROFESSIONAL SERVICE

Human Brain Mapping, Reviewer (with Supervisor)