

# Puneet Velidi

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## EDUCATION

### University of Victoria

*M.Sc in Statistics, Co-supervisors: Prof. Farouk Nathoo & Prof. Michelle Miranda*

Victoria, BC

*Jan. 2025 – Present*

### Cornell University

*B.A in Statistics & Economics*

Ithaca, NY

*Sep. 2018 – Dec. 2022*

## RESEARCH EXPERIENCE

### Graduate Researcher

*University of Victoria (PI: Prof. Farouk Nathoo & Prof. Michelle Miranda)*

Victoria, BC

*Jan. 2025 – Present*

### Postbac Researcher

*Harvard Medical School & MGH (Photobiomodulation Laboratory, PI: Prof. Paolo Cassano)*

Boston, MA

*May. 2024 – Aug. 2024*

### Undergraduate Researcher

*Cornell University (Computational Connectomics Laboratory, PI: Prof. Amy Kuceyeski)*

Ithaca, NY

*Jan. 2022 – Dec. 2022*

## PROFESSIONAL EXPERIENCE

### Software Engineer II

*Walmart Global Tech, EBS*

Bentonville, AR

*Feb. 2023 – May 2024*

### AI/ML & NextGen Analytics Intern

*Memorial Sloan Kettering Cancer Center, DigITs*

New York, NY

*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

**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.

## INVITED TALKS, PANELS, WORKSHOPS

“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

*University of Victoria, Department of Mathematics and Statistics*

Victoria, BC

*Jan. 2025 – Present*

### Math Support Center Tutor

*Cornell University, Department of Mathematics*

Ithaca, NY

*Sep. 2021 – Dec. 2022*

## PROFESSIONAL SERVICE

**Human Brain Mapping**, Reviewer (with Supervisor)