

# DEV LAXMAN SUBRAMANIAN

116 Oak Ave  
Ithaca, NY - 14850

[ds2293@cornell.edu](mailto:ds2293@cornell.edu)  
+1-6073793517

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## Education

**Cornell University, Ithaca, NY**

Ph.D. in Psychology (Neuroscience Specialization)

Advisor: Dr. David M. Smith

**August 2017 - Present**

**The University of Texas at Dallas, Dallas, TX**

GPA: 3.93/4.0

M.S. in Applied Cognition and Neuroscience  
(Computational modeling specialization)

**August 2015 – May 2017**

**Maulana Azad National Institute of Technology, Bhopal, India**

Bachelor of Technology in Electronics and Communication Engineering

**July 2011 – May 2015**

**Methods in Neuroscience at Dartmouth, Dartmouth College, Hanover, NH**

2-week summer school on Computational Neuroscience

**August 2019**

**Neuromatch Academy, online course, interactive track**

3-week online summer school

Computational Neuroscience (2020) & Deep learning (2023)

**July 2020 & July 2023**

## Research Experience

**Cornell University, Ithaca, NY**

Sage Ph.D. fellow, Behavioral and Evolutionary Neuroscience Area, Dept. of Psychology, with Dr. David M. Smith

*Analyzing rodent neurophysiological recordings to understand the neural basis of Episodic memory in the Retrosplenial cortex & the Hippocampus. Recently finished a project involving the comparison of the spatial and contextual memory encoding in these two regions using various analytic techniques and currently working on analyzing the properties of temporal encoding in the Retrosplenial cortex.*

**August 2017 - Present**

**The University of Texas at Dallas, Dallas, TX**

Graduate research assistant in Aging and Memory research lab of Dr. Lucien T. Thompson

*Studied the effects of D-Cycloserine and tinnitus inducing noise exposure on the Hippocampal Place cells in rats.*

**September 2015 - May 2017**

## Awards and Honors

<b>Sage Fellowship</b> awarded by Cornell University	<b>2017 - Present</b>
<b>Selden Leavell Scholarship</b> awarded by the University of Texas at Dallas	<b>2016 - 2017</b>

## Online course certifications (Data science/Machine learning)

<b>Advanced learning algorithms, Coursera</b> <a href="#">Certificate link</a>	<b>October 2022</b>
<b>Supervised Machine learning: Regression and Classification, Coursera</b> <a href="#">Certificate link</a>	<b>August 2022</b>
<b>Scientific computing and Python for Data science, Worldquant University</b> <a href="#">Certificate link</a>	<b>September 2019</b>

## Skills

<b>Language Skills</b>	• Fluent in English, Hindi, and Tamil
<b>Technical Skills</b>	• <b>Programming languages and packages:</b> Python, MATLAB, R, Illustrator, SPSS, C, HTML, CSS

## Publications

- Subramanian D.L. & Smith D.M. (2023) Time cells in the retrosplenial cortex. *Society for Neuroscience (SFN) abstract (manuscript, in prep)***
- Subramanian D.L., He Z., Miller A.M., Smith D.M. (2021) A comparison of spatial and contextual coding in the hippocampus and retrosplenial cortex. *Society for Neuroscience (SFN) abstract (manuscript, under review)***
- Smith D. M., Yang Y. Y., Subramanian D. L., Miller A. M. P., Bulkin D. A., & Law L. M. (2021) The limbic memory circuit and the neural basis of contextual memory. [Neurobiology of Learning and Memory, 187](#)**

## Teaching Experience

Served as a Teaching Assistant for 6 courses during my Ph.D. comprising of statistics, neuroscience, and psychology courses.

## Professional Memberships

<b>Society for Neuroscience (SFN) student member</b>	<b>June 2018 - Present</b>
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## Extracurricular activities

<b>Vice president of the Cricket team at Cornell</b>	<b>July 2019 - Present</b>
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