

# Gregory Plumb

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## Education

**Graduate Institution (Ph.D.):** Carnegie Mellon University - Fourth Year  
**Undergraduate Institution:** University of Wisconsin-Madison **GPA:** 3.95  
**Majors:** Computer Science with Honors Mathematics with Honors

## Publications

- Jeffrey Li, Vaishnavh Nagarajan, Gregory Plumb, Ameet Talwalkar. *A learning Theoretical Perspective on Local Explainability*. ICLR 2021. [Link]
- Gregory Plumb, Maruan Al-Shedivat, Eric Xing, Ameet Talwalkar. *Regularizing Black-box Models for Improved Interpretability*. NeurIPS 2020. [Link]
- Gregory Plumb, Jonathan Terhorst, Sriram Sankararaman, Ameet Talwalkar. *Explaining Groups of Points in Low-Dimensional Representations*. ICML 2020. [Link]
- Gregory Plumb, Denali Molitor, Ameet Talwalkar. *Model Agnostic Supervised Local Explanations*. NeurIPS 2018. [Link]
- Gregory Plumb, Lindsay Clark, Sterling C. Johnson, Vikas Singh. *Modeling Cognitive Trends in Preclinical Alzheimer's Disease (AD) via Distributions over Permutations*. MICCAI 2017. [Link]
- Gregory Plumb, Deepti Pachauri, Risi Kondor, Vikas Singh. *SnFFT: A Julia Toolkit for Harmonic Analysis on the Symmetric Group*. Journal of Machine Learning Research: Machine Learning Open Source Software (JMLR MLOSS 2015). [Link]

## Awards

- Winner of the 2015 Dewitt Undergraduate Scholarship from the Department of Computer Sciences, University of Wisconsin-Madison (one award per year, \$8000)

## Internships

- Microsoft Research: Worked on a novel framework for identifying and correcting spurious correlations in image classifiers. (Summer 2020)
- Amazon: Developed a framework for visualizing and debugging parallel and distributed workflows. (Summer 2016)
- Carnegie Mellon University - Summer Undergraduate Research Experience in Statistics: Worked with fMRI data to identify regions of the brain involved with abstract reasoning. (Summer 2015)
- Clemetric: Developed a Machine Learning framework for determining the quality of streamed ECG data (Summer 2014) and to predict whether or not a patient in a hospital will enter septic shock (Summer 2017).