Gregory Plumb

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Education

Graduate Institution (Ph.D.): Carnegie Mellon University - Second Year
Undergraduate Institution: University of Wisconsin-Madison **GPA:** 3.95
Majors: Computer Science with Honors Mathematics with Honors
Courses: Artificial Intelligence, Machine Learning, Graphical Models, Advanced Algorithms, Linear and Nonlinear Optimization, Methods of Computational Mathematics, Operating Systems, Databases, Multivariable Calculus, Linear Algebra, Differential Equations, Discrete Math, Probability Theory, Statistical Methods, Real Analysis, Modern Algebra, Stochastic Processes

Publications

- Gregory Plumb, Denali Molitor, Ameet Talwalkar, *Model Agnostic Supervised Local Explanations*, NIPS
- Gregory Plumb, Lindsay Clark, Sterling C. Johnson, Vikas Singh, *Modeling Cognitive Trends in Preclinical Alzheimer's Disease (AD) via Distributions over Permutations*, MICCAI
- 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)

Awards

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

Internships

- 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) to predict whether or not a patient in a hospital will enter septic shock (Summer 2017).