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UNIVERSITY OF WISCONSIN-MADISON

Placement Director: Laura Schechter	lschechter@wisc.edu	(608) 262-9482
Graduate Administrator: Mary Treleven	mtreleven@wisc.edu	(608) 262-9489

Office Contact Information:

317 Taylor Hall, 427 Lorch St., Madison, WI, 53706
(608) 571-9556

Undergraduate Studies:

Bachelor of AgriCommerce, Massey University, New Zealand, 2011–2013
Bachelor of Economics (Honours), Australian National University, Australia, 2014

Graduate Studies:

Santa Fe Institute Complex Systems Summer School, 2017
University of Wisconsin–Madison, 2020 (expected)
Ph.D. in Agricultural & Applied Economics with minor in Computer Science
Thesis Title: *“Agriculture as a complex dynamical system”*

References:

Paul Mitchell 418 Taylor Hall (608) 320-1162, pdmitchell@wisc.edu	Vivak Patel (in Statistics) 1241 Medical Sciences Center vivak.patel@wisc.edu
Thomas Rutherford 323 Taylor Hall (608) 316-4362, rutherford@aae.wisc.edu	Sheldon Du 331 Taylor Hall (608) 262-0699, xdu23@wisc.edu

Research Fields:

Machine learning
Bayesian optimization
Mathematical & computational modeling
Agricultural systems

Teaching Experience:

Teaching assistant in AAE706 Applied risk analysis (Instructor: Jean-Paul Chavas), Spring 2019

Research Experience:

Research assistant, 2015–Present

Conference presentations:

Agricultural & Applied Economics Association Annual Meeting, 2017–2019
ASA-CSSA-SSSA International Annual Meeting, 2019

Research Papers:

“Efficient learning of site-specific management in precision agriculture” ([Job Market Paper](#))

“Adaptive experimental design using Bayesian optimization to improve the cost efficiency of small plot field trials” (in progress)

(with Vivak Patel, Lucía Gutiérrez, Jed Colquhoun, Shawn Conley, and Paul Mitchell)

“An agent-based model of insect resistance management and mitigation for Bt maize: A social science perspective”

(with Paul Mitchell and Terrance Hurley)

“A bandit algorithm for efficient on-farm research”

(with Paul Mitchell)