

CONTACT INFORMATION	Department of Finance W. P. Carey School of Business Arizona State University	+1 480-735-9791 tbeason@asu.edu tbeason.com
EDUCATION	<b>Arizona State University</b> Ph.D. in Finance Dissertation co-chairs: Rajnish Mehra and Sunil Wahal GPA: 3.6/4.0  <b>Bradley University</b> M.Sc. in Quantitative Finance GPA: 4.0/4.0; Academic Excellence Award  B.Sc. in Finance; B.Sc. in Mathematics GPA: 3.8/4.0; Honors Program, Magna Cum Laude, Outstanding Graduate in Quantitative Methods, Kalman Goldberg Award	Tempe, AZ <i>expected</i> May 2021  Peoria, IL May 2015  May 2014
RESEARCH AREAS	Asset Pricing, Tail Risk, Macrofinance, Algorithmic Trading, Computational Finance	
RESEARCH	* = <i>presentation by co-author, presentations include scheduled</i> <b>Job Market Paper</b>  Cash Flows in Equilibrium Asset Pricing Models Presentations: <i>ASU</i> I propose a method to model cash flows in macrofinance asset pricing models in a manner that respects equilibrium market clearing and matches the timing and nature of cash flow risk.  <b>Papers in the Editorial Process</b>  On Sources of Risk Premia in Representative Agent Models (with David Schreindorfer) <i>Revise &amp; Resubmit at <b>Journal of Political Economy</b></i> Presentations: <i>Carnegie Mellon*, Iowa*, Washington*, Federal Reserve Board*, ASU*, MFA 2020*, 7th SAFE Asset Pricing Workshop*, Alabama*</i> We decompose the equity premium in the return dimension using option prices and a novel empirical decomposition.  <b>Working Papers</b>  The Anatomy of Trading Algorithms (with Sunil Wahal) <i>Submitted</i> Presentations: <i>NBER Big Data and HPC in Economics*, ASU*, Microstructure Exchange*, Purdue*, Virginia*, SMU*, EFA 2020, World Symposium on Investment Research 2020, FMA 2020, NBER Big Data and Securities Markets</i> We shed light on modern financial markets by examining the design and behaviors of commonly-employed trading algorithms.  Heterogeneity and Household Portfolio Choice Presentations: <i>ASU</i> Many proposed solutions to bring household life-cycle portfolio choice models in line with the average risky share fall far short of generating sufficient cross-sectional heterogeneity in portfolio allocations at nearly every point in the life-cycle.	

## Work in Progress

### The Mathematics of Saving

Financial accounts admit more than one portfolio interpretation. I show how one can use portfolio theory to analyze future account values given a savings schedule.

## Pre-PhD Work

Simulation of a Financial Market: The Possibility of Catastrophic Disequilibrium (with Amit Sinha, Philip Horvath, and Kelly Roos)

*Chaos, Solitons, & Fractals*, 2019, 125, 13-16.

## TEACHING EXPERIENCE

### Instructor

FIN300 Fundamentals of Finance (UGRD), ASU Summer 2018  
Mean evaluation 6.6/7.0

FIN700 Research Methods (PhD), ASU 2016-2017

### Teaching Assistant

FIN525 Investments (MBA), ASU 2018-2020

FIN421 Security Analysis & Portfolio Mgmt (UGRD), ASU Spring 2016

## SERVICE

### Committees

ASU Finance Doctoral Committee 2016-2017, 2019-2020

Foster College of Business Curriculum Committee 2014-2015

### Referee

Journal of Banking and Finance, Emerging Markets Review

### Professional Affiliations

American Economic Association, American Finance Association, Financial Management Association, European Finance Association

## COMMITTEE

Rajnish Mehra (Co-chair) Professor of Finance and Economics  
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David Schreindorfer Assistant Professor of Finance  
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## SKILLS

Julia, MATLAB, SAS, git, LaTeX, Big Data, HPC

## CITIZENSHIP

United States of America

EMPLOYMENT HISTORY	<b>Arizona State University</b>	
	Graduate Research Assistant Tempe, AZ	Aug 2015 - Present
	<b>Bradley University</b>	
	Graduate Assistant	May 2014 - May 2015
	Student Tutor	Aug 2013 - Jun 2014
	Peoria, IL	
	<b>Robert Bosch Tool Corporation</b>	
	Financial Analyst Intern	May 2013 - Aug 2013
	Peoria, IL	
	<b>RLI Insurance</b>	
	Risk Services Intern	Feb 2012 - Oct 2012
	Peoria, IL	
	<b>RLI Insurance via DPA Services</b>	
	Risk Services Intern	Nov 2011 - Feb 2012
	Peoria, IL	
	<b>Staples Inc.</b>	
	EasyTech Associate	Jun 2008 - Aug 2011
	Mattoon, IL	