

James D. Miller

Professor of Economics, Smith College

Jdmiller@Smith.edu

Employment

Smith College: (Professor of Economics) At Smith from 1996 to present.

[Advisor to the board of Alcor](#). Dec 2016-present.

Education

University of Chicago: Ph.D.in Economics January 1997

Stanford Law School: J.D. (Member of Law Review) June 1992

Yale University: M.A. in Economics June 1989

Wesleyan University: B.A. June 1988

[Will Artificial Superintelligence Kill US?](#)

[An Appeal to AI Superintelligence: Reasons to Preserve Humanity](#)

Prize Administer

[Receive up to \\$1,000 for writing a short essay that uses the tools of theoretical economics to contribute to the AI alignment problem.](#)

Books

The Technological Singularity: Managing the Journey. May 2017. With three other editors.

[On the Question of Free Trade: An Economics Discourse](#). (A 46 page ebook of a debate between the co-authors.) April 2016.

[Singularity Rising](#). October 2012. [First chapter audio](#).

Principles of Microeconomics. McGraw-Hill. February 2008.

Game Theory At Work. McGraw-Hill, 306 pages. (2003) Translated into Chinese long form, Chinese short form, Japanese, Korean, and formatted for sale in India.

Academic Articles

James D. Miller. Expecting the Future: How AI's Potential Performance Will Shape Current Behavior. To be published in *Forecasting with Artificial Intelligence - Theory and Applications*, edited by Mohsen Hamoudia, Spyros Makridakis, and Evangelos Spiliotis.

James D. Miller, Roman Yampolskiy, Olle Häggström, Stuart Armstrong, "Chess as a Testing Grounds for the Oracle Approach to AI Safety". Poster at AISafety 2021 conference. <https://arxiv.org/abs/2010.02911> October 6, 2020.

James D. Miller, Roman Yampolskiy, Olle Häggström. "An AGI Modifying Its Utility Function in Violation of the Strong Orthogonality Thesis". <https://arxiv.org/abs/2003.00812>. Published in [Philosophies](#), December 2020.

An AGI with Time-Inconsistent Preferences. James D. Miller, Roman Yampolskiy
Delphi, Vol. 2, No.4, 200-2006. 2019.

Miller, James Daniel. "When two existential risks are better than one." *foresight* 21, no. 1 (2019): 130-137.

Baum, S.D., Armstrong, S., Ekenstedt, T., Häggström, O., Hanson, R., Kuhlemann, K., Maas, M.M., Miller, J.D., Salmela, M., Sandberg, A. and Sotala, K., 2019. Long-term trajectories of human civilization. *foresight*, 21(1), pp.53-83.

James D. Miller. "For Pleasure or Productivity: Divergent Paths in Intelligence Augmentation" Published in Araya, Daniel. *Augmented Intelligence: Smart Systems and the Future of Work and Learning*. Peter Lang International Academic Publishers, 2018.

James D. Miller. "[A Rationally Addicted Artificial Superintelligence](#)." Published in the 2018 peer reviewed book *Artificial Intelligence Safety and Security* by Roman V.Yampolskiy.

James D. Miller. "[Reflections on the Singularity Journey](#)." In the 2017 peer reviewed book *The Technological Singularity: Managing the Journey*.

James D. Miller. "Singularity Blog Insights." In the 2017 peer reviewed book *The Technological Singularity: Managing the Journey*. A collection of four blog posts by other authors.

James D. Miller and Debbie Felton. "[The Fermi Paradox, Bayes' Rule, and Existential Risk Management](#)." *Futures*, June 2016.

James D. Miller. "Rifts in Rationality." [Review of Rationality: From AI to Zombies, by Eliezer Yudkowsky](#). Published in The New Rambler. August, 2015.

Billion Dollar Bots, published in [The Hanson-Yudkowsky AI-Foom Debate](#), 2013.

James D. Miller. "[Some Economics Incentives Facing a Business That Might Bring About a Technological Singularity](#)." Published in the peer reviewed book *The Singularity Hypothesis: A Scientific and Philosophical Assessment*. Springer, 2012.

N. Boris Margolin, Brian Neil Levine, James D. Miller, and Matthew Wright. Economic Incentives for Protecting Digital Rights Online. *Electronic Commerce Research and Applications*, 10(5):553-564, September 2011.

James D. Miller and Matt Morey. 2003. "Power Markets: Transferring Systematic Risk to Lottery Players." *Public Budgeting & Finance*.

James D. Miller and D. Felton. 2002. "Using Greek Mythology to Teach Game Theory." *The American Economist*, Vol. 46.

D. Felton and James D. Miller. 2002. "Truth Inducement In Greek Myth." *Syllecta Classica* Vol. 13: 104-125.

James D. Miller. 2001. "Perjury and Information Weighting." *International Review of Law and Economics* Vol. 21: 329-341.

James D. Miller and Lixin Gao. 2001. "Creating A Subpoena-Proof Diary: A Technological Solution to A Legal Problem." *Journal of Information, Law and Technology* 10/31/01. In its August 6, 2001 issue *Forbes* devoted a paragraph to the significance of this article.

James D. Miller. 1997. "Using Lotteries To Expand The Range of Litigation Settlements." *Journal of Legal Studies* Vol. 26.1: 69-94.

Grants

[Future of Life Institute grant](#) for "Utility Functions: A Guide for Artificial General Intelligence Theorists." 2018. Grant for \$78,289. Resulted in the publication of two academic articles.

Journalistic Publications

It's Time to Start Treating High School Math Like Football	Quillette	2/22
Machine Learning, Deep Fakes, and the Threat of an Artificially Intelligent Hate-Bot	Quillette	11/21
The Apocalyptic Threat from Artificial Intelligence Isn't Science Fiction	Quillette	12/20
Microbes on Venus May Herald Human Extinction 9/20	Quillette.com	
Want to Reduce Police Brutality? 7/20	ArcDigital	
Combating China's Threat to American Free Speech 10/19	TriggerWarning.us	
Against Big Tech Viewpoint Discrimination 6/19	Quillette.com	

Like the Campus Thought Police 4/19	Quillette .com
Google's China Ambitions Threaten U.S. National Security 10/18	Quillette.com
Exterminate Mosquitoes for the Sake of Humanity 9/18	Quillette.com
Banning Bitcoin to Complete Big Tech Censorship 8/18	Quillette.com
Trump and Mexcio's next president can build the wall 7/18	FoxNews.com
To Solve the immigration crisis... 6/18	FoxNews.com
Trump's plan to tax colleges will harm higher... 11/17	Business Insider
Get ready for the 'tech alt-right' to gain power and influence... 8/17	Business Insider
Online Education: What I got Wrong 4/5/17	Inside Higher Ed
Move the University of California, Berkeley to Garland TX 2/17	Frontpagemag.com
The Stock market doesn't fear a Trump presidency... 11/16	Business Insider
The Stock market doesn't fear a Trump presidency... 11/16	The Independent
Genetically enhancing our children could raise interest rates 7/16	Business Insider
Help the World's Poorest by Harvesting Their Organs 4/16	Trigger Warning
6 Steps to the 'get rich slow' scheme 12/15	Business Insider
What College Safe Spaces Should Be 12/15	Frontpagemag
10 Tips from a Silicon Valley bootcamp... 12/15	Business Insider
Why Pretty Girls Hate Being Asked Out on Dates... 4/15	Trigger Warning

Expect Nuclear War
10/14

Trigger Warning

Accessorize With a Medical Device
5/14

Better Investing Mag.

Managed Funds With a Naughty Secret
4/14

Better Investing Mag.

What if Antibiotics Lose Their Effect
3/14

Better Investing Mag.

How Nobel Laureates View the Market
1/14

Better Investing Mag.

The singularity and mutational load
1/14

h+ magazine

A Bigger Pie Slice for Stock Owners
12/13

Better Investing Mag.

Pie in the Sky Accounting
11/13

Better Investing Mag.

View Your Decisions For A New Angle
10/13

Better Investing Mag.

Pick Up Milk and Bread at Amazon.com
9/13

Better Investing Mag.

Mint Your Own Money: Bitcoins
8/13

Better Investing Mag.

Extrasensory Market Perception
6/13

Better Investing Mag.

The Secret to Happiness
4/13

Better Investing Mag.

"Dilbert" Creator on Hedge Funds
3/13

Better Investing Mag.

The Market as a Model of Efficiency
1/13

Better Investing Mag.

Golden Years for Money Fears?
12/12

Better Investing Mag.

Why One for All Isn't Working in Europe
11/12

Better Investing Mag.

Amazon's Same-Day Service
10/12

Better Investing Mag.

Space, the Final Investing Frontier 9/12	Better Investing Mag.
All Eyes on Google 8/12	Better Investing Mag.
Cryonics and the Singularity 7/12	Alcor's Magazine
An Economic Rationale for Resurrecting Neanderthals 7/12	h+ Magazine
Savvy Investing Might Be in Your DNA 6/12	Better Investing Mag.
Is the U.S. Slouching Towards Athens 5/12	Better Investing Mag.
When the Game's Rules Are Stacked 4/12	Better Investing Mag.
Will Shots at Wall Street Backfire? 3/12	Better Investing Mag.
The Politics of Medical Immortality 2/12	h+ Magazine
Who's Got the Jumper Cables? 2/12	Better Investing Mag.
Graduating from the University of Debt 1/12	Better Investing Mag.
Unemployment and the Stock Market 12/01	Better Investing Mag.
Upbeat Economics: 10 Good Signs 11/11	Better Investing Mag.
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Is Groupon a Bargain for Merchants? 9/11	Better Investing Mag.
DNA Politics: Science and Sociopathy 8/11	h+ Magazine
Get Out While You Can 8/11	Inside Higher Ed

Predicted to Fail, Amazon Lives On 8/11	Better Investing Mag.
You Can Learn How to Become More Rational 7/11	Business Insider
Is Apple Sound to the Core? 4/11	Better Investing Mag.
The Constitution and Obamacare 3/11	Better Investing Mag.
The Google, Facebook Face-Off 2/11	Better Investing Mag.
VAT Proposal Would Hurt Seniors 1/11	Better Investing Mag.
Philanthropy With Eyes Wide Open 12/10	Better Investing Mag.
Excuse Me, Your Bias is Showing 11/10	Better Investing Mag.
Corporations as Cannibals 10/10	Better Investing Mag.
11 Keys Forces Sway the Economy 9/10	Better Investing Mag.
Finding Your Bliss in 3-D 8/10	Better Investing Mag.
Time Bomb: Unfunded Pensions 6/10	Better Investing Mag.
Of Paulson and Brinkmanship 5/10	Better Investing Mag.
Noncompete Cause 4/10	Better Investing Mag.
Hidden Risks Behind the Sparkle... 3/10	Better Investing Mag.
Risk. Bail Out. Repeat. 1/10	Better Investing Mag.
A Matter of Trust 12/09	Better Investing Mag.
Oil's Well With Price Volatility 11/09	Better Investing Mag.

Battle of the Bonds 9/09	Better Investing Mag.
Savings by the Book 8/09	Better Investing Mag.
Money Crazy 6/09	Better Investing Mag.
The Recession's Silver Lining 5/09	Better Investing Mag.
Reallocation Nation 4/09	Better Investing Mag.
An All-Consuming Issue 3/09	Better Investing Mag.
Let Professors Choose 2/09	Inside Higher Ed
State of the Union 2/09	Better Investing Mag.
Betting the House 1/09	Better Investing Mag.
Take this job and Ship It! Fall 08	Smith Alumnae Quarterly
Why Assistant Professors Should Earn More 9/2/08	Inside Higher Ed
Than the Tenured	
The Trouble with Bubbles 9/08	Better Investing Mag.
Amazon's POD Policy Threatens Its Value 8/08	Better Investing Mag.
Bear on the Run 6&7/08	Better Investing Mag.
Wealthy Colleges: Ante Up 6/3/08	BusinessWeek.com
Massachusetts Should Tax Harvard 5/19/08	Inside Higher Ed.
Cuts Always of Interest to Investors 4/08	Better Investing Mag.
Subprime Suspects 3/08	Better Investing Mag.

Quantum Leaps in Wealth Creation 2/08	Better Investing Mag.
Stimulating Ideas 1/15/08	TCSDaily
Microsoft's Strategy with Health Vault 1/08	Better Investing Mag.
Branded Unsafe 11/07	Better Investing Mag.
A Thousand Chinese Einsteins Every Year 10/2/07	TCSDaily
The Implications of Crowd Sourcing 10/07	Better Investing Mag.
Beyond Merit Pay and Student Evaluations 9/7/07	Inside Higher Ed
A Deer Price to Curb Global Warming 9/07	Better Investing Mag.
Markets for Predictions 8/07	Better Investing Mag.
Bogle Explains the Math Behind Indexing 7/07	Better Investing Mag.
The Free Market Case Against the Immigration Bill 6/1/07	TCSDaily
With Genetic Discrimination Ban 6/07	Better Investing Mag.
Aging Difficulties 5/07	Better Investing Mag.
The Benefits and Costs of Transparency 3/07	Better Investing Mag.
Price Controls for Pills 2/07	Better Investing Mag.
Free the Elderly 1/31/07	TCSDaily
A Minimum of Understanding 1/10/07	TCS Daily
Why Poison Pills are Bad Medicine 1/07	Better Investing Mag.

Silicon Medicine 12/06	Better Investing Mag.
Face Value 11/06	Better Investing Mag.
The Internet Has a Knack for Niches 10/06	Better Investing Mag.
It's About Time 9/06	Better Investing Mag.
Saying No to Stock Boycotts 8/06	Better Investing Mag.
Lurking Risk 7/06	Better Investing Mag
How Price Discrimination Works 6/06	Better Investing Mag.
Is Google Uncoachable? 5/06	Better Investing Mag.
War Games 2006 04/14/06	TCS Daily
Getting Mexico on Our Side 04/04/06	TCS Daily
Which Colleges Will Make the Grade? 4/06	Better Investing Mag.
Elevating Elephants 3/14/06	TCS Daily
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Hey, Harvard, Hire Me! 2/22/06	TCS Daily
How To Fight RateMyProfessor.com 1/31/06	Inside Higher Ed.
Exposing Moral Free-Riders 1/20/06	TCS Daily
The Index Fund's Risk Advantage 1/06	Better Investing Mag.
Fund Stars Hard To Spot From Ratings 12/05	Better Investing Mag.

The Conduct of Standards Wars
11/05

Better Investing Mag.

The Futility of Battling Internet Piracy
10/05

Better Investing Mag.

Feelers vs. Thinkers
10/03/05

Tech Central Station

Barriers to Google's Future
9/05

Better Investing Mag.

Make San Francisco the Leftwing Paradise It Hopes to Be
8/29/05

Tech Central Station

The Singular Sensation
8/15/05

Tech Central Station

Charging for Content: The Coming Test
8/05

Better Investing Mag.

French-ifying Retail America
6/09/05

Tech Central Station

Outsourcing Teaching
5/27/05

Tech Central Station

Campaign Money for Bloggers
5/16/05

Tech Central Station

Bulls#@* and the Academic Left
5/3/05

Tech Central Station

The Science Haters
4/6/05

Tech Central Station

Academia's Religion
4/3/05

Orlando Sentinel

Harvard Forgives Larry Summers
4/1/05

Tech Central Station

The Coming War on Blogs
3/25/05

Tech Central Station

Let the *Students* Vote
3/17/05

Tech Central Station

Our Battery-Powered Economy
3/14/05

Tech Central Station

Ward Churchill: Republican Civil Rights Pioneer
2/24/05

Tech Central Station

Will Blogs Produce a Chilling Effect 2/14/05	Tech Central Station
Explaining Brad and Jennifer (same as below) 2/6/05	The Orange County Reg.
The Importance of Brad and Jennifer ... 1/31/05	Tech Central Station
Social Security's Uncertain Future 1/30/05	Orlando Sentinel
The Depolarizing Power of the Blogosphere 1/17/05	Tech Central Station
Why is James Glassman Worried? 1/3/05	Tech Central Station
The Economics of Gift Giving 12/23/04	Tech Central Station
How to Determine Whether Social Security... 12/21/04	Tech Central Station
Republicans Shouldn't Fear Eliminating Judicial Filibusters 12/16/04	Tech Central Station
Freedom Bonuses: Welcoming Gifts for Ukraine 12/03/04	Tech Central Station
Fear Not the Risky Scheme 11/22/04	Tech Central Station
Database Blues? 11/15/04	Tech Central Station
Should We Fear 'Cosmetic Neurology' 10/29/04	Tech Central Station
A Trillion Lies 9/28/04	Tech Central Station
Top Ten Tips for Bush 9/23/04	Tech Central Station
If You Can't Beat 'Em, Co-Opt 'Em 9/13/04	Tech Central Station
The World's Best College 8/24/04	Tech Central Station
A Billion for Bin Laden 8/9/04	Tech Central Station

Don't Worry About the Future 7/15/04	Tech Central Station
Free Market Tariffs 6/30/04	Tech Central Station
Enjoy Perilous Work? 6/7/04	Forbes
Google's "Winner's Curse" 5/4/04	Tech Central Station
An Empire? You Ain't Seen Nothin' Yet 4/14/04	Tech Central Station
Should Massachusetts Be Allowed to Outsource Jobs? 3/26/04	Tech Central Station
Fear Not Outsourcing, Knowledge Workers 3/3/04	Tech Central Station
Compassionate Conservatism for the Ex-Prisoner 2/25/04	Tech Central Station
Wasting Away Again in Free-Riderville 2/9/04	Tech Central Station
A Solution to the President's Immigration Plan 1/22/04	Tech Central Station
Why Nader Should Run 1/14/04	Tech Central Station
An Anti-Terrorism Defense Fund 1/5/04	Tech Central Station
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North Korean Extremes 5/07/03	Tech Central Station
Digital Communism 5/06/03	National Review Online
Information Sexternalities 4/24/03	Tech Central Station
The CIA/Zionist Plot 4/16/03	Tech Central Station
Economic Mecca 4/10/03	Tech Central Station
French Freeze 4/02/03	Tech Central Station
Bathroom Duty 3/26/03	Tech Central Station
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The Valentine's Day Trap 2/14/03	Tech Central Station
Harvard Via eBay 1/24/03	Tech Central Station
The Get-Rich-Slow Scheme 1/8/03	Tech Central Station

Marginal Benefits 11/21/02	Tech Central Station	
To Nuke, Or Not to Nuke? 10/21/02	Tech Central Station	
Let Lawyers Help Fight Terror 10/21/02	The Weekly Standard	
Deep Links? No Way! 5/13/02	Tech Central Station	
Blogging: An Economist's View 4/10/02	Tech Central Station	
Credible Threats 3/11/02	The Weekly Standard	
National Security First 1/23/02	National Review Online	
Campus Colors 12/19/01	National Review Online	
The Marketplace of Faith 11/12/01	National Review Online	
Security, Smith's Way 10/30/01	National Review Online	
The Patient's Right Not To Sue 8/13/01	The Weekly Standard	
If We Can't Choose Our School, ... 7/13/01	FrontPageMag.com	
Can Intellectual Property Be Protected Without Invading Privacy?		
	Foxnews.com	7/4/01
Pirates of the Future (Same as above.) 7/2/01	The Weekly Standard	
Games Countries Play 5/21/01	The Weekly Standard	
The Pros and Cons of Partially Privatizing Social Security 3/25/01	Orlando Sentinel	
A First-Rate Aid Plan for Third World Countries 9/24/00	Orlando Sentinel	
Brain Arbitrage: The Next Internet Frontier 9/12/00	Dismal.com	

Genetic Testing and Health Insurance
8/17/00

Dismal.com

Let Them Eat Patents
7/31/00

The Weekly Standard

Strategies For Pricing Internet Content
SIIA Trends Report
7/24/00

Articles published on CNBC.com

Internet: Game Theory	3/12/01
Hunting For Interactive-TV Profits	1/22/01
Put SS Money in the Market	10/23/00
Profit Pipe Dream for Many E-Tailers	10/10/00
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Political Activities

A Republican Nominee for the Massachusetts State Senate (2004) Hampshire and Franklin district. Won uncontested primary. Defeated in the general election.

Other Writings

Presented paper titled "Teaching Innovation in Principles of Microeconomics Classes" at the Association of Private Enterprise Education conference at Las Vegas, Nevada on April 4, 2008.

Shaking up the electoral college for Massachusetts, The Beacon Hill Institute at Suffolk University, November 2003.

James D. Miller, "Profit Pipe Dreams for Many E-Tailers." Published in *Small Business: an Entrepreneur's Business Plan* 6th edition (2003) by J.D. Ryan and Gail P. Hiduke, pages 153-154. Originally published on CNBC.com, 10/10/00.