

Nan Clement

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(Updated on 09/01/2022)

University of Texas at Dallas

Placement Officer: Prof. Seth Giertz

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972-883-6234

Education

University of Texas at Dallas, 2019 to present

Ph.D. candidate in Economics

Thesis Title: "Essays on Digital Economics"

Advisor: Prof. Daniel G. Arce

Expected completion date: *May 2024*

Certificates

Graduate Teaching Certificate, completed in 2021 Spring

Advanced Graduate Teaching Certificate, completed in 2021 Fall

(Both from Center for Teaching and Learning at UTD)

Grant Writing Certificate, expecting 2022 Fall

(From Office of Research and Innovation at UTD)

Other Education

PhD Class of Management and Economics of Innovation, Copenhagen Business School PhD school, September 2022, Zoom

AEA Continuing Education, Modern Sampling Methods: Design and Inference by Keisuke Hirano and Jack Porter, January 2022, Zoom

ECON9104C Topics in Econometrics: Machine Learning in Economics, doctoral course, University of Oslo, May 2021, Zoom

ECON9912C Topics in Environmental and Resource Economics, doctoral course, University of Oslo, May 2021, Zoom

AEA Continuing Education, Industrial Organization by Steven Berry and Philip Haile, January 2021, Zoom

AEA Continuing Education, Markets for Innovation: Market Failures and Public Policies by Kevin Bryan and Heidi Williams, January 2021, Zoom

University of Illinois at Urbana-Champaign, 2018 to 2019

Master of Science in Accountancy (Focus on Data Analytics; Online)

China Academy of Fiscal Sciences (Beijing, China), 2013 to 2016

Master of Business Administration in Accounting

University of Science and Technology Beijing (Beijing, China), 2009 to 2013

Bachelor of Management in Accounting

Study Abroad: Lancaster University (Lancashire, UK), 2011 to 2012

Teaching and Research Fields:

Microeconomics, Applied Microeconomic Theory

Economics of Innovation, Digital Economics, Economics of Cybersecurity

Teaching Experience: (at UT Dallas)

Fall 2022, Spring 2022 and Fall 2021

Intermediate Microeconomic Theory (Undergraduate Core)

Primary Instructor

Syllabus: <https://dox.utdallas.edu/syl1124591>

Syllabus: <https://dox.utdallas.edu/syl1118994>

Syllabus: <https://dox.utdallas.edu/syl1109370>

Spring 2022 Comets to the Core Assessment Reviewer

<https://www.utdallas.edu/core/>

Fall 2020 ECON 6302 Macroeconomics Theory (PhD Core), Teaching Assistant

Spring 2021 and Spring 2020

ECON 4385 Business and Economic Forecasting (R), Teaching Assistant

(also ECON 5397 Special Topics in Economics, for Undergraduate Seniors and Graduate)

Fall 2019 ECON 2301 Principles of Macroeconomics, Teaching Assistant

ECON 3312 Money and Banking, Teaching Assistant

Undergraduate Mentoring:

Spring 2022 Hannah Smith (Texas Capital Bank Risk Management Intern)

Richard Yu

(Richard is looking for a PhD program or Pre-doc opportunities after graduation)

Research Experience

Summer 2020 Research Assistant for Prof. Sheryl Skaggs

Conferences and Presentations

Economic Brownbag Presentation, School of Economics, Political and Policy Sciences at UT Dallas, Richardson, TX, April 2022

The 21st Annual Workshop on the Economics of Information Security (WEIS), Rump Session, Tulsa, OK, June 2022

AEA-CSWEP Successfully Navigating Your PhD mentoring workshop for 3rd Year + Women & Non-Binary PhD Students in Economics & Economics-Adjacent Fields, invited mentee, Zoom, September 2022

The 1st University of North Texas Cybersecurity Symposium, October 2022

NBER 2022 Fall Economics of Privacy Tutorial, invited attendee, Cambridge, Massachusetts, October 2022

AEA-CSWEP "Successfully Navigating Your Economics PhD" workshop. The workshop is for 3rd and 4th year women and non-binary PhD students in Economics and related fields at SEA 92nd Annual Meeting, invited mentee, Fort Lauderdale, FL, November 2022

SEA 92nd Annual Meeting, Games and Dynamics Session, Fort Lauderdale, FL, November 2022

Professional Service

School of Economic, Political & Policy Sciences Student Advisory Council, Fall 2020 until now

University of Texas at Dallas, Student Diversity Advisory Council, Fall 2022 until now

School of Economic, Political & Policy Sciences TA Orientation, invited talk, Fall 2022

Industry Experience

Business Data Platform Test Engineer, Mar 2019 - Aug 2019

China Construction Bank Supply Chain Finance Co. LTD, Beijing

Assistant Researcher, Jul 2016 - Mar 2019

Investment Research Institute & Macroeconomic Academy, Beijing

Publications in Chinese:

Review of the Diversified Investment of China. (Book Chapter) Investment: The Powerful Engine for Chinese Rapid Development, published in 2019, with Qi, Yuqing

Financial Support Agriculture: The Long-term Mechanism of Rural Construction. China Economic Herald, 2018-08- 08(2), with Lin, Yongming

After-crisis Bond Market Development Effect on Debt Financing of Chinese Listed Manufacturing Companies. Macro Economics, 2018 (2)

Let Bond Connect Serve Real Economy. China-Investment, 2017(13), with Lin, Yongming

An Enlightenment of British Information Disclosure System for Charities. The Journal of the Chinese Institute of Certified Public Accountants, 185:2012/5 pp. 80-85, with Liu, Yali

Honors, Scholarships, and Fellowships

Irving J. Hoch Scholarship
NSF graduate student travel grant

Work in Progress

"Dynamics of Shared Security in the Cloud".

Abstract: Cloud services exist under a shared security environment; both cloud services providers (CSPs) and users contribute to overall security. We investigate the nature of shared security in a dynamic game where users' security contributions and cloud usage figure into their CSP's vulnerability. Furthermore, CSPs' own security contributions take their users into account as well as competition with other CSPs. We characterize the Markov Perfect Equilibrium time path of security in the cloud. In particular, we identify a novel form of time-path strategic complementary between usage and a CSP's Markov state of security. This implies that cloud security is an unusual form of impure public good whereby individual contributions bolstering a CSP's security endow a selective incentive (benefit) on others, rather than providing a selective benefit to the contributor themselves. Consequently, CSP vulnerability increases over time.

"Economic Motivations of Cyber Attacks in Health Industry: An Empirical Work". 2022.

"Cybersecurity-Related Majors in Texas". 2022.

"Identifying and Visualizing Core Areas of Cybersecurity Economics: A Deep Learning Analysis". 2022.

"Cybersecurity Compliances and Certificates with Costly Verification". 2022.

"Seating Chart Algorithm to Improve Learning Effectiveness — Seating Location Effect on Students' STEM Class Performance in Large Undergraduate Classrooms at University of Texas at Dallas". 2022.

Affiliations

Association for Information Systems

American Economic Association

Southern Economic Association

References:

Professor Daniel G. Arce
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Professor Jonas Hedlund
University of Texas at Dallas
Phone: 972-883-4525
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