

Ahmad Alkhawaja

Curriculum Vitae

Department of Economics
Stony Brook University
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EDUCATION

Ph.D. Department of Economics, Stony Brook University, Stony Brook, 2026 (anticipated)

Dissertation: *Navigating Conflict and Peace: Strategic Dynamics in Asymmetric Power Structures*

Committee: Yair Tauman (chair), Pradeep Dubey, Eran Shmaya

M.S. Department of Economics, University at Buffalo, Buffalo, 2019

M.B.A. School of Business Administration, American Univ. of Sharjah, Sharjah, UAE, 2016

B.S. Department of Computer Sci. and Eng., American Univ. of Sharjah, Sharjah, UAE, 2011

Additional Training and Certification

Certificate of Effective Teaching Practice, Lumen Circles Fellowship in Advanced
Generative AI for Teaching & Learning, Lumen Learning, 2025 (in progress)

Using Artificial Intelligence (AI) Effectively in Teaching and Learning, SUNY Center for
Professional Development, 2025 (in progress)

Inclusive Teaching and Learning Certificate Program, SUNY Center for Professional
Development, 2025 (in progress)

Online Teaching Certificate, Center for Excellence in Learning and Teaching, Stony Brook
University, 2022

PUBLICATIONS

Conference Proceedings

2014 Zualkernan, I., Al Khawaja, A., Zubaydi, F., & Hussain, T. (2014). Integrating Peer-to-Peer Inquiry-Based Learning with a Crowd-Sourcing Platform.
In *EDULEARN14 Proceedings* (pp. 2252-2261). IATED.

In Preparation

Strategic Conflict Between Two Groups of Players: The Impact of Player Heterogeneity

Strategic Conflict Dynamics with Convex Cost Functions

Coalitions and Conflict: Strategic Resource Allocation in Two-Stage Games

From Conflict to Peace: The Role of Networks and Peer Effects

CONFERENCE ACTIVITY

Papers Presented

- 2025 Strategic Conflict Dynamics with Quadratic Cost Functions, Western Economic Association International's 100th Annual Conference [Virtual Day], San Francisco, CA, June 17.
- 2025 Coalitions and Conflict: Strategic Resource Allocation in Two-Stage Games, 2025 Midwestern Economic Association's 89th Annual Conference, Kansas City, MO, March 21-23.
- 2025 Strategic Conflict Between Two Groups of Players: The Impact of Player Heterogeneity, Eastern Economic Association's 51st Annual Conference, New York, NY, February 21-23.
- 2024 Strategic Conflict between Two Groups of Players: Non-Cooperative and Cooperative Approach, 35th Stony Brook International Conference on Game Theory, Stony Brook, NY, July 15-18.

Discussant

- 2025 "The Effects of Competition in the Retail Gasoline Industry," 2025 Midwestern Economic Association's 89th Annual Conference, Kansas City, MO, March 21-23.
- 2025 "Product Purchasing Contest: A Strategy to Leverage Competition among Consumers," Eastern Economic Association's 51st Annual Conference, New York, NY, February 21-23.

TEACHING EXPERIENCE

Stony Brook University, Instructor of Record

Mathematical Statistics (Fall 2025, Spring 2024) [F2F]

Intermediate Microeconomic Theory (Spring 2025) [F2F]

Game Theory (Winter 2025, Summer 2024) [online]

Stony Brook University, Teaching Assistant

Mathematical Statistics (Fall 2024) [F2F]

Intermediate Microeconomic Theory (Fall 2023, Fall 2022, Fall 2021, Fall 2019) [F2F]

Intermediate Microeconomic Theory (Summer 2023, Spring 2021) [online]

Data Science and Machine Learning in Economics (Spring 2023) [F2F]

Introduction to Economics (Fall 2020) [online]

Intermediate Macroeconomic Theory (Spring 2020) [hybrid]

American University of Sharjah, Lab Assistant

Object-Oriented Programming for Business Applications (Spring 2015)

Digital Systems (Fall 2013)

Advanced Digital System Design (Spring 2013)

Introduction to Computer Science II (Fall 2012)

Introduction to Computer Science I (Spring 2012)

RESEARCH EXPERIENCE

2020-2023 Development of dynamic model solutions and simulations using various techniques in both Python and MATLAB

Automated Driving using Deep Q-Learning

Cournot Competition and Firm Learning: algorithms for agent-based models

2014-2016 Data collection and analysis of bankruptcy data of US companies using SAS and SQL

Strategic analysis of Amazon's forward integration

A study of talent management systems in the UAE and the GCC region

Integrating peer-to-peer inquiry-based learning with a crowd-sourcing platform (in EDULEARN14 Proceedings)

PROFESSIONAL SERVICE

To Profession

Session Chair, "Market Mechanisms," Eastern Economic Association's 51st Annual Conference, New York, NY, 2025

To University

Administrator, Stony Brook Center for Game Theory, 2020-2022

OTHER PROFESSIONAL EXPERIENCE

Software Developer, Microsystems L.L.C., Dubai, UAE, 2011-2013

PROFESSIONAL ASSOCIATIONS

American Economic Association, 2025-present

Game Theory Society, 2025-present

RELATED PROFESSIONAL SKILLS

Software

Python, R, MATLAB, C++, C#, Java, VB, PHP, SAS, SQL, and LaTeX

LANGUAGES

Arabic: Native reading, writing, speaking

French: Intermediate reading, writing, speaking

REFERENCES

Yair Tauman, Leading Professor
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Hugo Benitez-Silva, Associate Professor (teaching reference)
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