# CURRICULUM VITAE
Anna Karpovsky
Current as of February 2024

**Personal:**

Anna Karpovsky                                   akarpovs@gmail.com
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Citizenship: United States


**Academic Appointments:**

Assistant Professor of Practice, Business Analytics, **Boston College**, 2022 to present
Assistant Professor of Practice, Information Systems, **Boston College**, 2019 to 2022
Assistant Department Chair, Information Systems, **Boston College**, 2020 to 2022
Lecturer, Markets, Public Policy and Law, **Boston University**, 2015 to 2018
Visiting Assistant Professor, Management, **Bentley University**, 2015 to 2016
Adjunct Faculty, Management, **Bentley University**, 2012 to 2015
Adjunct Instructor, **ITT Technical Institute**, 2009


**Academic Positions:**

Bentley Doctoral Fellow, Bentley University, 2010 to 2013
Research Associate, NFS grant #0189333, Bentley University, 2009 to 2010
NPSC Fellow, Boston University, 2001 to 2003


**Education:**

Bentley University, PhD, Business, 2009-2015
Boston University, PhD candidate in Computer Science/NPSC Fellow sponsored by
National Security Agency, 2001-2003
Boston University, BA/MA, Computer Science, summa cum laude, 2001
Boston University, BA with distinction, Economics, 2001


**Teaching:**

Boston College, Fall 2022 to present

> **BZAN 2021: Coding for Business in Python**
> An introductory course in coding based on Python (a language suitable for all business and analytics programs) and SQL (Structured Query Language--the main language for working with databases). The course emphasizes coding literacy and teaches coding skills that are relevant for business decision makers.

> **ISYS7705: Data Analytics 3 in Python: In practice (asynchronous)**
> Modern information systems now generate massive volumes of data. Organizations everywhere struggle to aggregate, analyze, and monetize the growing deluge of data. Business Analytics capitalizes on this data by combining statistical and quantitative analysis, explanatory and predictive modeling, and fact-based management. Managers can explore patterns, predict future trends and develop proactive, knowledge-driven decisions that affect all parts of modern organizations. This course provides students with a pragmatic familiarity with the capabilities and limitations of emerging analytics techniques, an introduction to the Python statistical computing software, an overview of methods and tools, and a core understanding required to be an intelligent manager, designer, and consumer of analytics models.

Boston College, Summer 2023 to present

**ISYS6645: Data Visualization in Tableau (asynchronous)**

This course covers foundations of data visualization and best practices to help students effectively analyze data and present their insights clearly in a way that will engage their audience. The course provides discussions and presentations on topics such as visual perception, the various chart types and when to use them, the effective use of colors, typography, maps, and other visualization techniques for incorporating analytics and storytelling, and teaches through many examples of compare and contrast. The conceptual discussions will be integrated with hands-on experience using two popular visualization tools.

Bentley University, Fall 2022

**GR602: Global Strategy (asynchronous)**

This course focuses on how firms create and sustain competitive advantage in a highly competitive, networked economy. Topics include industry analysis, competitive strategies, corporate strategy, strategic innovation, global strategies in emerging and established markets and corporate social responsibility. Emphasis is placed on formulating strategy at the corporate and business levels and on implementing strategy at all levels of the firm. The macro global environment, ethics, risk management and government regulation are covered. This is the capstone MBA course, and has many comprehensive, international case studies which often require financial analysis.

Boston College, Spring 2019 – Spring 2022

**ISYS1021: Digital Technologies: Strategy and Use**

This is an introductory course on information technology (IT) and its use in modern organizations. We discuss various management concepts and issues related to systems and technologies, assess the current role of IS in an organization, identify areas for the strategic use of IS, and understand where technology makes firms and markets vulnerable to disruption. Students learn use of Excel to solve challenging business problems. Students learn how to write formulas, use functions to summarize data, handle conditions, and calculate important financial functions. Students also learn how to create charts, link multiple data sets using lookup functions, and analyze data using pivot.

**ISYS6645: Data Visualization in Tableau**

This course covers foundations of data visualization and best practices to help students effectively analyze data and present their insights clearly in a way that will engage their audience. The course provides discussions and presentations on topics such as visual perception, the various chart types and when to use them, the effective use of colors, typography, maps, and other visualization techniques for incorporating analytics and storytelling, and teaches through many examples of compare and contrast. The conceptual discussions will be integrated with hands-on experience using two popular visualization tools.

**ISYS7705: Data Analytics 3 in R: In practice (asynchronous)**

Modern information systems now generate massive volumes of data. Organizations everywhere struggle to aggregate, analyze, and monetize the growing deluge of data. Business Analytics capitalizes on this data by combining statistical and quantitative analysis, explanatory and predictive modeling, and fact-based management. Managers can explore patterns, predict future trends and develop proactive, knowledge-driven decisions that affect all parts of modern organizations. This course provides students with a pragmatic familiarity with the capabilities and limitations of emerging analytics

techniques, an introduction to the R statistical computing software, an overview of methods and tools, and a core understanding required to be an intelligent manager, designer, and consumer of analytics models.

Boston College, Summer 2019

### ISYS6650: FinTech Revolution

FinTech is the intersection of finance, technology, and regulation. The course aims to help students understand FinTech and recognize the challenges and opportunities the FinTech innovations pose. Students gain a basic understanding of the foundations and principles that enabled the rise of FinTech and examine cases for a more in-depth analysis of specific innovations such as blockchain. The course advances students' knowledge of FinTech, much needed skill in the industry, and gives students insight into the applications, limitations, and risks of technological innovations in finance.

Boston University, Fall 2015 to 2018

### QM323: Analytics for Business Decisions

This course exposes students to quantitative methods and modeling techniques that improves their ability to make informed decisions in an uncertain world. The first module focuses on methods and predictive models for decision-making; how optimization models are used to identify the best choice; and how choices change in response to changes in the model's parameters. The second module covers the measurement and management of risk and Monte Carlo simulation. The course runs parallel to Core, and uses the topics covered in the Core as a springboard for discussion of related quantitative methods. We cover specific applications relevant to aspects of the core project.

### QM222: Modeling Business Decisions

This course is about using data to make decisions. We use models that convert ideas into equations so that a quantitative decision or prediction can be made. Broad Objectives: Improve ability to analyze data and correctly interpret statistical information about the relationships between variables; translate statistical results into better business decisions; hone analytical skills so that you use models to identify the true story told by data; acquire hands-on, practical experience with common business applications of statistical modeling, regression, and forecasting; develop quantitative skills to make the best choice from a set of options; become proficient in using statistical software (Excel) for managerial decision making.

Bentley University, Spring 2012 to Spring 2017

### GB410: Global Strategy

The course covers formulation, execution, control, and evaluation of corporate, global, and business-level strategy of the firm. Emphasis is on identification, analysis, and resolution of important strategic issues. It includes case discussions as well as an extensive group project in which student teams perform a comparative analysis of strategies for two companies.

ITT Tech Institute, Spring to Summer 2009

### IT109: Microsoft Desktop Operating System
### IT221: Microsoft Network Operating System I

These courses introduce knowledge and skills required in installation, configuration and management of Microsoft operating system(s) for standalone and network client computers. Aspects of typical Microsoft client-server network administration functions are covered.

## Professional Positions:

IT consultant, AKOPSYS, Boston, MA, 2011 to 2012

Owner, A-Skin Care Center, Arlington, MA, 2002 to 2008
Coordinator of Operations, NETA Program, Newton, MA, 2008
IT Consultant, A-Network Solutions, Boston, MA, 2003 to 2007
Fund Development, JCHE, Brighton, MA, 2005 to 2006
QA Engineer, Thomson Financial Software Solutions, Boston, MA, 2000 to 2001

## Refereed Journal Publications:

Karpovsky, A. and Galliers, R. D. (2015). Aligning in Practice: From Current Cases to a New Agenda, *Journal of Information Technology* 30(2): 136-160

## Book Chapters:

Karpovsky, A. and Galliers, R.D. (2017). Aligning in Practice. In R.D. Galliers and M. Stein (Eds.), *The Routledge Companion to Management Information Systems*: Routledge

Karpovsky, A., Galliers, R.D. and Hallanoro, M. (2014). The Process of Information Systems Strategizing. In A. Tucker (Ed.), *Computer Science Handbook* (3rd ed., Vol. 2): Chapman and Hall

## Refereed Conference Presentations and Proceedings:

Karpovsky, A., Stein, M. and Galliers, R.D. (2014). *Learning* Towards Ambidexterity - Cases On Information Systems Strategizing: A Meta-Ethnography. *International Conference on Organization Learning, Knowledge and Capabilities*, Oslo, Norway

Karpovsky, A. and Galliers, R.D. (2013). The Power and Influence of Chief Information Officers (CIOs) in IS Strategizing. *34th International Conference on Information Systems*, Milan, Italy

## Online Publications:

Karpovsky, A. (2022), "Blockchain Revolution: Music Industry Case", Digital Innovation, Business & Management Collection, Henry Stewart Talks Ltd, London (online at https://hstalks.com/bm/4959/)

Karpovsky, A. (2019), "Aligning in Practice", in Galliers R.D. (ed), Strategic Issues in Information Technology, Business & Management Collection, Henry Stewart Talks Ltd, London (online at http://hstalks.com/)

## Dissertation:

**Information Systems Strategy and the Role of Chief Information Officers: Strategizing and Aligning Practices**
Defense Date: March 20, 2015

**Abstract:** The goal of this dissertation is to provide a more comprehensive picture of IS strategizing processes and practices, with all their nuances, with particular attention being paid to the human actions and interactions of strategy-making: bringing to the foreground the strategists in other words. The first two studies extend the conceptualization of IS strategy. The third is an empirical study that focuses on the role and influence of CIOs in IS strategizing. The research

provides a newly developed integrative framework for IS strategizing and a typology of aligning activities, and goes on to provide a perspective on IS strategizing that incorporates considerations of power and influence. For practitioners, the research presents managers with concrete levers for improved practice.

Committee:
  **Robert D. Galliers** (chair), *The University Distinguished Professor and former Provost (2002-2009), Bentley University*
  **Sue Newell**, *Professor of Information Systems and Head, Business and Management, School of Business and Economics, University of Sussex, UK*
  **Michael A. Quinn**, *Professor of Economics and past Interim Director of PhD Programs, Bentley University*
  **Joe Peppard**, *Professor, European School of Management and Technology, Germany*

**Work in Progress:**
Text Mining Students' Course Evaluations (Building analysis model)

From Information Systems Plan to Information Systems Strategizing: A 50 Year Journey (revise and resubmit at ***Journal of the Association for Information Systems***)

Digitalization and the Changing Role of CIOs (Submitted to ***AOM Big Data and Managing in Digital Economy Conference***)

CIO as a Consultant: A role of CIO in Digital Business Transformation (Finalizing manuscript for submission to ***MIS Quarterly Executive***)

Academic Honesty as Identity Work (Submitted to ***AOM Teaching & Learning Conference***)

Learning Towards Ambidexterity: Cases of Information Systems Strategizing (Preparing manuscript for submission to ***Strategic Management Journal***)

The 'Sustainability' of Tensions and the Role of Individual's Power (Preparing manuscript for submission to ***Organization Studies***)

The CIO Effect: How much do CIOs Matter? (Preparing manuscript for submission to ***Strategic Management Journal***)

Business Strategy and IT Vendor Management Alignment: Gaining a Competitive Advantage (Preparing manuscript for submission to ***Journal of Strategic Information Systems***)

IT Strategy when Ethics Matter (Preparing manuscript for submission to ***Business and Society Review***)

IS Strategizing in Public Sector (Preparing manuscript for submission to ***Journal of Strategic Information Systems***)

Spanning Categories in FinTech (Collecting data)

The Effect of Venture Capital Investment Portfolio Diversification on Success in Digital Health (Preparing manuscript for submission to *AOM Conference*)

**Previous Works Presented:**
"Back to Basics with Crypto", Boston Women in Finance Panel, May 12, 2021
"FinTech Evolution and Revolution: Blockchain", Boston University, February 25, 2020; March 3, 2020; March 2, 2021
"Academic Honesty as Identity Work in a Classroom", Center for Teaching Excellence, Boston College, 2020
"FinTech Evolution and Revolution: Disruptive Technologies and Future of Finance", Boston University, February 26 and March 5, 2019
"Digital Health Strategy", Data Blitz, Boston University, November 3, 2017
"Operating in Response Mode", Executive Leadership Summit sponsored by Foresite, Uncasville, CT, May 2015
"Information Systems Strategy: The role of strategists in strategizing processes and aligning practices", Management Department Meeting, Bentley University, October 2014
"Internet Topology Generator: Optimizing Tradeoffs", BU, December 2002.
"Intrusion-Resilient Signature Extensions" with **Professor Itkis**, Boston University, November 2002.
"An Indexing Mechanism with a Worst Case Guarantee" with **Professor Byers**, Boston University, May 2002.
"Demand Estimation of PDAs and Analysis of PDA Market", Boston University with **Professor Rysman**, Spring 2001.
"Simulation and Analysis of Load Profiling and Management for Web Service" with **Professor Bestavros**, Boston University, Spring 2001.

**Workshops:**
Blockchain Workshop, Global Leadership Institute at Boston College, December 7, 2021
Tableau Workshop, Boston College Women Innovators Network, November 1, 2021
Excel Workshop, Boston College Women Innovators Network, April 6, 2021

**Podcasts:**
WIBcast, October, 2021

**Awards:**
"Traditions of Formation and Our Teaching" Faculty Cohort on Teaching Fellowship, *Boston College,* 2020 to 2021
Carroll School Teaching Star, *Boston College,* Spring 2019
"Applying Learning Sciences to Our Teaching" Faculty Cohort on Teaching Fellowship, *Boston College,* 2019 to 2020
The Inaugural Center for Teaching & Learning Fellowship, *Boston University*, 2017 to 2018
Reviewer of the Year, *Journal of Strategic Information Systems*, 2014

**Professional Service:**

**Internal academic services:**
Information Systems Concentration Coordinator, Boston College, 2024 to present
University Teaching Committee, Boston College, 2021-present
Faculty Undergraduate Student Advisor, Boston College, 2020-present
Assurance of Learning Committee, Boston College, 2020-present
Field Marshal, Commencement, Boston College, 2021-2024
University Teaching Committee: Student Mental Health Sub-Committee, Boston College, 2021-2022
Do Yoon Kim's Teaching Mentor Committee, Boston College, 2021-2022
Assurance of Learning: Integrating Core Sub-Committee, Boston College, 2021-2022
Grace Gu's Teaching Mentor Committee, Boston College, 2021-2022
Assistant Department Chair, Information Systems, Boston College, 2020-2022
Course Coordinator for ISYS1021: Digital Technologies, Boston College, 2020-2022
Data Analytics and Curriculum Planning Committee, Boston College, 2020-2022
Assurance of Learning Assessor – General Business Program, Bentley University, 2016-2017
PhD Student Mentor, 2013 to 2015

**Editorial positions:**
*2020 -2021 European Conference on Information Systems*: associate editor.
*2018 International Conference on Information Systems:* associate editor.

**Reviewing:**
*Connect Master MIS eBook and Notebook:* reviewer.
*MIT Press:* reviewer.
*Journal of Strategic Information Systems*: reviewer.
*Information Systems Management*: ad-hoc reviewer.
*Information & Management*: ad-hoc reviewer.
*Journal of Information Technology*: ad-hoc reviewer.
*Information and Organization*: ad-hoc reviewer.
2011-2021 *Academy of Management Annual Meeting*: reviewer.
2015-2019 *European Conference on Information Systems*: reviewer.
2013-2019 *International Conference on Information Systems*: reviewer.
2011 *European Conference on Information Systems*: emergency reviewer.

**Other services:**
Panelist, Information System Academy Professor Panel, Boston College 2019
Paper session chair, OCIS and STR, *2018 AOM Annual Meeting*
Nominations Action Committee 2017*AIS Women's Network*
Paper session chair, STR, *2015 AOM Annual Meeting*
Active participant of *MIT Sloan CIO Symposium*
*Wall Street Technology Association*
*Society of Information Management*
*National Association of State CIOs*
*Center of Information Systems Research at MIT Sloan School of Management*
*Cranfield IT Leadership Programme*, UK
*CIO Association*, Canada
*Logistics Committee of New Doctoral Student Consortium* at AOM 2012

Reporter for *Bentley University Center for Women and Business Women's Initiatives*, Women's Networks Event: Critical issues, best practices and effective strategies for retaining and advancing women in the workplace, December 2011

**External Examiner:**

"Beyond Business-IS Strategic Alignment – The Influence of Infrastructure and Dynamic Capabilities on a Digital Business Strategy", James Mwangi, Master of Commerce (Information Systems), School of Economic and Business Sciences, The University of the Witwatersrand, Johannesburg, South Africa

**Student Supervision:**

Carter Dwyer (undergraduate TA)
Quinn Wilson (undergraduate TA)
Olivia Hermanspan (undergraduate TA)
Pataris Chaipromprasith (undergraduate UROP recipient)
Dingnan Jia (undergraduate RA)
Tiuli Kulshi (undergraduate RA)
Rosie (Xue) Rui (undergraduate TA)
Roland Kibardin (undergraduate TA)
Jose Herrera (undergraduate TA)

**Boards:**

British International School of Boston, Parent Association Executive Board, Commutations Chair
Boston University Blockchain & Cryptocurrency Club, Advisor

**Memberships:**

Academy of Management
Association for Information Systems