



John Atkinson-Abutridy

Nationality: Chilean

CONTACT

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Other: EB2-NIW (National Interest Waiver)

ABOUT ME

I have been a university professor, researcher and consultant over the last 25 years, with a PhD in AI from the University of Edinburgh, UK. I have been a consultant for several private companies and public organizations on AI-related topics.

I have also led national and international research and technology projects on several topics related to AI, in areas such as NLP, Text Analytics, Machine Learning, and Explainable AI.

In addition, I have mentored undergraduate/graduate students, and IT professionals. Furthermore, I have also led academic departments, scientific research groups, and graduate programs.

MY PURPOSE

Helping clients navigate towards an AI-driven organization

- **My Experience:** to lead the conception, development and evaluation of cutting-edge technological projects in AI, offering innovative solutions to address complex problems and non-conventional automation needs for companies.
- **My Goal:** to help and guide organizations on a journey towards an AI-empowered company, improving your productivity, customer experience, and automating processes.
- **My Contribution:** to address hard problems using AI, which allows companies to increase productivity, learn about competitors, automate complex tasks, improve the customer journey, and reduce costs.

EDUCATION AND TRAINING

- **2004** – Edinburgh, United Kingdom
PhD in Artificial Intelligence
University of Edinburgh
- **1995** – Stockholm, Sweden
Diploma in Space Studies, Robotics and Manufacturing
Royal Institute of Technology (KTH)
- **1994** – Valparaiso, Chile
Master of Engineering in Computer Science
Universidad Técnica Federico Santa María
- **1991** – Valparaiso, Chile
Bachelor of Engineering in Computer Sciences
Universidad Técnica Federico Santa María

WORK EXPERIENCE

2021 – CURRENT – Santiago, Chile

Founder & CEO

AI-Empowered

AI & Innovation consulting company

2016 – CURRENT – Santiago, Chile

Full Professor

Faculty of Engineering, Universidad Adolfo Ibañez

Professor & Researcher, Director of Master program in AI

2019 – Santiago, Chile

Technology Mentor

Navy Innovation Program (AVANTE), Universidad de Concepción's Incubation Program, CORFO

2021 – Washington, United States

Scientific Advisory Council

Center for Strategic Studies in Artificial Intelligence Law

2019 – Santiago, Chile

Scientific Advisory Committee

Senate of Chile

National AI Strategy, Challenges of the Future, Science, Technology Commission

2004 – CURRENT – Santiago, Chile

Senior AI Consultant

Public and private organizations, IT companies

Power-Supply Companies, Chilean Army, Intelligence Agency, Ministry of Tourism, etc.

2005 – 2016 – Concepción, Chile

Director, Artificial Intelligence Laboratory

Universidad de Concepción

2015 – 2016 – Concepción, Chile

Head, Department of Computer Sciences

Universidad de Concepción

1991 – 2016 – Valparaiso and Concepcion, Chile

Full Professor

Universidad Federico Santa María and Universidad de Concepcion

Assistant Professor at Univ. Federico Santa María (1991-1997), Full Professor at Univ. de Concepción (1997-2016).

2001 – 2015 – Cambridge, Nancy, New York, Boston

Visiting Researcher

University of Cambridge, INRIA (France), IBM T.J. Watson (USA), MIT (USA)

U. of Cambridge (2001), INRIA (2005), IBM (2007), MIT (2014)

1991 – 1995 – Valparaiso, Chile

IT Consultant

Passol Chemicals (Viña del Mar), Chilquinta Power Supply (Valparaiso), National Customs Service

1991 – 1991 – Valparaiso, Chile

System Engineer

Anglo American Mining Company

INTELLECTUAL PROPERTY

2014

iText Routing: Automatic Answers Generation for Contact Centers

Reg. no. 246489, Chile

2008

A Method for Predicting Electrical Non-registered Consumption using Artificial Intelligence Techniques

Reg. no. 168743, Chile

1995

GILENA: A Natural-Language Interface Generator

DFKI (German Center for Artificial Intelligence), Software Registry, Germany

HONOURS AND AWARDS

12/2010

ACM Senior Member Award – Association for Computational Machinery
<https://awards.acm.org/award-winners/>

12/2008

Best Technical Paper Award – 28th Annual International Conference on Artificial Intelligence, Cambridge, UK

PROJECTS

2003 – 2020

Research Grants from the National Fund for Scientific and Technological Development (FONDECYT & CONICYT)

- (2017–2019) *An Effective Linguistically-Motivated Computational Model for Opinion Retrieval in Sentiment Analysis Tasks*, [CONICYT](#).
- (2013–2016) *An Evolutionary Computation Approach to Natural Language Chunking for Biological Text Mining*.
- (2007-2010) *An Interactive Natural-Language Dialogue Model for Intelligent Filtering Based on Patterns Discovered from Text Documents*.
- (2004-2007) *An Evolutionary Computation Model to Explanatory and Semantically-guided Knowledge Discovery from Texts with Implications for Intelligence Analysis*.

2011 – 2014

MIT-Chile Collaboration for Medical Text Summarization

MIT-Chile Research Fund, Cambridge, USA

2006 – 2009

Intelligent system for patent technology surveillance using text mining

Regional Fund for Innovation in Latin America ([FRIDA](#)), Latinamerica.

1997 – 2019

Research Grants from the TIC-AmSud (International Cooperation on ICT between South America and France), CONICYT (CHILE)/CNRS (FRANCE)

- (2017–2019) *Prediction models for Energy Consumption based on Big Data Analytics of Population Density (Chile, Peru, France)*.
- (2007-2009) *MICROBIO: Merging, Inducing and Reasoning with Ontologies in Bioinformatics (Chile, Argentina, Brazil, France)*.

2008 – 2012

Applied Research Grants from the National Fund for the Promotion of Scientific and Technological Development (FONDEF)

- (2012-2014) *iText Routing: Intelligent intent recognition for routing text-based calls in Contact Centers*, [FONDEF](#)
- (2009-2011) *Semantic identifying and synthesizing electronic educational materials for specialized domains*.

2006 – 2010

Innovation Projects with Private Companies

- (2010-2010) *Projecting indices of Quality of Service (QoS) using ML Techniques*, SAESA, Osorno, Chile.
- (2009-2009) *Evaluating Automatic Prediction of Power Supply Frauds*, EMELECTRIC, Santiago, Chile.
- (2007-2010) *Implementing and evaluating ML Models to detecting non-registered consumption*, CGE (Power Supply), Santiago, Chile

2008 – 2020

Innovation Projects with Public Organizations

- (2017-2019) *Tourism Observatory of Big Data for the Metropolitan Area*, [CORFO](#), Santiago, Chile.
- (2012-2013) *Automatic Answer Generation for Call Centers using NLP*, [CORFO](#), Santiago, Chile.
- (2009-2010) *Improving Health Resources planning using intelligent optimization techniques*, Ministry of Economy, Chile.

PUBLISHED BOOKS

8/2022

Text Analytics: An Introduction to the Science and Applications of Unstructured Information Analysis (Taylor & Francis, CRC Press)

[Book at Taylor & Francis](#)

7/2020

Analítica Textual: Una Introducción a la Ciencia y Aplicaciones del Análisis de Información No Estructurada

[Book at Amazon](#)

PUBLICATIONS

Journal and Conference Peer-Review Publications

[Full list of publications.](#)