

Enrique Noriega-Atala

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Education

Ph.D. Information Science, The University of Arizona (expected 2018).

- **Minor:** Statistics

M.S. Computer Science, The University of Arizona (2014).

B.S. Information Technologies, Monterrey Institute of Technology and Higher Education (2010).

Professional Experience

2013 - present Graduate Research Associate, The University of Arizona (UA)

2013 - present Teaching Assistant, UA. Courses:

Computer Organization (2013)

Data Structures (2014)

Information Retrieval and Web Search (2015, 2016)

Introduction to Machine Learning (2017)

2012 - present Software Development Consulting, Fresh Software Concepts LLC (FSC)

2010 - 2012 Sr Software Developer, FSC

2009 - 2010 Software Developer, Teknol, SA de CV

2008 - 2009 Internship, Centro de Investigación y Desarrollo de Ingeniería Avanzada, AC

2007 - 2008 Web Developer, Optima Commerce LLC

Research Interests

Machine Learning, Reinforcement Learning, Natural Language Processing, Artificial Intelligence, Statistics.

Honors and Awards

Galileo Circle Scholar, UA's College of Science (2014).

Instituto Educativo Sonora-Arizona scholarship (2013-2014).

CONACyT graduate studies scholarship (2012-2014).

CENEVAL's outstanding performance testimony on the EGEL test (2010).

Presentations and Publications

Conference Papers

Enrique Noriega-Atala, Marco A. Valenzuela-Escárcega, Clayton T. Morrison and Mihai Surdeanu. Learning what to read: Focused machine reading. *In Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2017.

Workshop Papers

Enrique Noriega-Atala, Marco A. Valenzuela-Escárcega, Clayton T. Morrison and Mihai Surdeanu. Focused Reading: Reinforcement Learning for What Documents to Read. *ICML 2017 Workshop on Interactive Machine Learning and Semantic Information Retrieval (IMLSIR 2017)*, 2017.

Marco A. Valenzuela-Escárcega, Özgün Babur, Gus Hahn-Powell, Dane Bell, Thomas Hicks, **Enrique Noriega-Atala**, Xia Wang, Mihai Surdeanu, Emek Demir, Clayton T. Morrison. Large-scale Automated Reading with Reach Discovers New Cancer Driving Mechanisms. *Proceedings of the BioCreative VI Workshop (BioCreative6 2017)*, 2017, pp. 200-202.

Conference Presentations

Learning what to read: Focused machine reading. *NLP Applications track, EMNLP*, Copenhagen, Denmark (2017).

Guest Lectures

What is Machine Learning?. For the course *Knowledge-based Systems in the Organizations. Systems and Industrial Engineering program*. Monterrey Institute of Technology and Higher Education, Hermosillo, México (2015).

Skills

Programming Languages:

Python, Scala, Java, C#, C, C++, JavaScript, VB.NET

Systems administration

Unix-like environment proficiency.

Bash scripting.

Relational DBMS and NoSQL experience.

Cloud computing environment experience with Azure and AWS.

Open Source Software

SARSA mora: A Reinforcement Learning library for Scala (<https://github.com/ml4ai/SARSA mora>)