

# 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

### *Journal Publications*

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. T. Large-scale Automated Machine Reading Discovers New Cancer Driving Mechanisms. *Database: The Journal of Biological Databases and Curation*. 2018.

### *Conference Publications*

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

### *Workshop Publications*

**Enrique Noriega-Atala**, Marco A. Valenzuela-Escárcega, Clayton T. Morrison and Mihai Surdeanu. Focused Reading: Reinforcement Learning for What Documents to Read. *Proceedings of the Interactive Machine Learning and Semantic Information Retrieval Workshop at ICML*, 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.

**Enrique Noriega-Atala**, Paul D. Hein, Shraddha S. Thumasi, Zechy Wong, Xia Wang, Clayton T. Morrison. Inter-sentence Relation Extraction for Associating Biological Context with Events in Biomedical Texts. *Proceedings of the Sixth Workshop on Data Mining in Biomedical Informatics and Healthcare at ICDM*, 2018 (In Press)

### *Conference Presentations*

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

Grounding Gradable Adjectives through Crowd-sourcing *Language Resources and Evaluation Conference*, Miyazaki, Japan (2018).

### *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 (SQL Server, Postgres, MySQL) and NoSQL experience (Redis, Neo4J).

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>)

Last updated: September 24, 2018