

# Enrique Noriega-Atala

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## Objective

I strive towards solving problems by implementing state of the art statistical learning algorithms. By using a correct modeling, best engineering practices and meaningful data, enterprises can get the lead in their competitive environment. I am a strong team member contributing my well-rounded background in Computer Science, Machine Learning and IT.

## Skills

### *Programming Languages:*

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

### *Scientific Tooling:*

PyTorch, DyNET, Scikit-Learn, NumPy, SciPy, Matplotlib, CoreNLP, REACH

### *Databases*

SQL Server, Postgres, MySQL, Redis, Neo4J.

### *IDEs*

IntelliJ, PyCharm, Visual Studio, Netbeans.

### *CI/CD*

Travis CI, Maven, SBT, Makefiles.

### *Cloud*

AWS: Compute. Azure: AppServices, VMs, Service Bus, Storage, Networking.

### *Systems administration*

Unix-like environment proficiency. Bash scripting.

## Professional Experience

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

Worked within CLU lab and ML4AI on multiple Natural Language Processing (NLP) projects related to information extraction and its applications for scientific literature. Published multiple articles in top-tier peer-reviewed venues.

**2013 - present** Teaching Assistant, UA. Courses:

Computer Organization (2013)

Data Structures (2014)

Information Retrieval and Web Search (2015, 2016)

Introduction to Machine Learning (2017, 2019)

**2012 - 2019** Software Development and DevOps Consulting, FlexBPO

Lead the migration of multiple enterprise information systems into Microsoft's Azure cloud from their previous on-premises location. Designed and coordinated the migration of software assets and data, as well as worked on software adaptations to make the systems work properly on their new cloud-based home.

Participated on the design and architecture of multiple information systems based on the .NET stack.

**2010 - 2012** Sr Software Developer, FSC

Worked on the development of an ERP system and multiple ancillary products for the produce industry based on the .NET stack.

**2009 - 2010** Software Developer, Teknol, SA de CV

Worked on GIS systems for multitouch hardware for the mining industry.

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

Web developer working with Python and Django-based projects.

**2007 - 2008** Web Developer, Optima Commerce LLC

Contributed in the development of web-based international trade information system based on ASP.NET.

**2007** Jr. Developer, Marketing Movil S.A de C.V

Contributed in the development of a Java-based service for sending and transmitting text messages (SMS) for a local marketing agency.

## Education

**Ph.D. Information Science**, The University of Arizona (Fall 2019).

- **Minor:** Statistics

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

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

## Honors and Awards

UA Graduate & Professional Student's Council Travel Grant (2018).

UA School of Information's Travel Award (2018).

International Conference in Data Mining Student Award (2018).

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).