Enrique Noriega-Atala

Phone: +1 (520) 241-5945
Email: enrique.noriega@gmail.com
Homepage: https://enoriega.info/

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

Relational: SQL Server, Postgres. MySQL. NoSQL: 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 (Winter 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).