

## Contact

[www.linkedin.com/in/gamino](https://www.linkedin.com/in/gamino)  
(LinkedIn)  
[www.teqi.org](https://www.teqi.org) (Blog)  
[www.nmh.org](https://www.nmh.org) (Company)

## Top Skills

Agile Methodologies  
Integration  
SDLC

## Languages

English (Native or Bilingual)  
Spanish (Native or Bilingual)

## Certifications

Tackling the Challenges of Big Data

## Publications

Grails in the Land of MongoDB

# Ariel Gamiño

Lead AI and Machine Learning Engineer  
Austin, Texas Metropolitan Area

## Summary

Extensive professional experience applying technology, analytical and leadership skills to business challenges. Passionate about the use of data science to solve business problems. Hands-on geek with a bias for action. Master of Science in Predictive Analytics from Northwestern University, Master in Information Technology from Harvard University, and Bachelor of Science in Computer Science from The University of Texas at Austin. Fluent in Spanish.

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## Experience

### Texas McCombs School of Business

Instructor, Data Analytics and Visualization Boot Camp

October 2021 - Present (1 year 7 months)

Austin, Texas, United States

Teach and lead the instructional team to prepare data analytics students for success. Boot camp focuses on teaching individuals the practical and technical skills needed to analyze and solve complex data problems by leveraging technologies such as Excel, Python, JavaScript, SQL, and Machine Learning.

### athenahealth

Lead AI and Machine Learning Engineer

August 2021 - Present (1 year 9 months)

Austin, Texas, United States

Making use of the latest advances in machine learning to build fast, efficient, and productive systems that add value to the organization. Research, build and implement artificial intelligence models.

### GLG (Gerson Lehrman Group)

Senior Software Development Engineer - Artificial Intelligence

August 2018 - August 2021 (3 years 1 month)

Austin, Texas Area

- Create machine learning solutions to solve business problems.

- Research and make use of the latest innovations in artificial intelligence to improve products and services, including the latest NLP advancements.
- Created language and classification models using Fast.ai and AWS SageMaker to successfully classify internal datasets.
- Created Named Entity Recognition (NER) models with Spacy to extract information and facts from internal documents.

## Fellowship.AI

### Machine Learning Fellow

May 2018 - August 2018 (4 months)

Greater New York City Area

- Fellowship conducting research and working with startups to embed artificial intelligence into their products.
- Working on identification verification system through face and text recognition from submitted IDs to prevent fraud and confirm identity.
- Research and implement methods for adversarial attacks against identification system.

### Applied technologies:

Deep Learning, NLP, OpenFace, Spotify Annoy, Facebook FastText, Python, Pandas, Numpy.

## Northwestern Medicine

### Manager, IT

September 2015 - May 2018 (2 years 9 months)

Chicago

- Managed team of developers and analysts to build and enhance enterprise systems in a 24/7 environment.
- Applied data science tools and techniques to provide insights from website usage, service management, and communication datasets.
- Managed all aspects of website analytics including implementation of Google Analytics, A/B testing and visualization tools to enhance web offerings.

- Set strategy and implementation of enterprise ITSM tool (ServiceNow), including ticket, incident, request, problem, change management and self-service portal.
- Managed cost center budget. Identified, negotiated, selected and managed the relationship with vendors and other internal resources.
- Managed enhancements and support of enterprise intranet (SharePoint/ Oracle WebCenter) and web services, including the development of the Digital Workplace strategy.
- Acted as a subject matter expert on web technologies for the organization, including working with Architecture team to set security policies, evaluate and implement development and test tools.
- Oversaw the support of clinical systems that allow effective communication between patients, doctors, and nurses (Rauland's Nurse call and Spok's paging infrastructure).

#### Accomplishments:

- Supported launch of new and improved Northwestern Medicine site.
- Re-design and consolidation of Cadence Health and Northwestern Medicine intranets.
- Consolidation and upgrade of multiple enterprise systems.
- Implementation of enterprise IT Server Management Tool to support 20,000+ employees.
- Prototyped machine learning model to predict priority of page based on historical data.
- Employee satisfaction score for my team was one of the highest in the department.

#### Applied technologies:

SQL, Groovy, Python, Scikit-learn, Seaborn, CrazyEgg, Google Analytics, Oracle Web Center stack, Sharepoint, Weebly, Drupal, Remedy, ServiceNow, Morrissey MSOW, Rauland's Nurse Call, Spok Messaging platform.

HospitalSites.org

Founder, Data Scientist

June 2015 - April 2018 (2 years 11 months)

- Make use of data science methodologies to obtain, compare, and analyze how hospitals use web technologies. The goal of the site is to present a comprehensive study of the technology, techniques and differences among U.S. hospital websites.
- Develop system and infrastructure to support continuous collection and analysis of hospitals dataset.
- Blog about findings on the hospitalsites.org site.

Applied technologies:

Python, Groovy, Pandas, Scikit-learn, Seaborn, PhantomJS, MongoDB, Selenium, Browserstack, IBM Watson Analytics, Google Cloud AI.

## Northwestern Medicine

Technical Manager, Marketing

April 2008 - August 2015 (7 years 5 months)

Chicago, IL

- Innovated by providing senior technical expertise in the use of web, mobile, and marketing technologies.
- Lead and facilitated success on the use of digital technologies by setting standards and creating a centralized repository of tools and best practices.
- Defined and shaped development activities, including architecture, frameworks, and tools that simplify and automate labor-intensive processes.
- Aligned consumer products architecture to satisfy HIPAA requirements.
- Created roadmap for the delivery of solutions for marketing toward long-term strategic goals.
- Identified, negotiated, selected and manage the relationship with vendors and other internal resources.

- Provided insight into the use of analytics and statistical techniques for continuing improvement of the digital experience.

#### Accomplishments:

- Creation of Digital Strategy.
- Re-design and launch of Northwestern Medicine Hospital website nmh.org.
- Re-design and launch of Northwestern Medicine microsites.
- Re-design and launch of Northwestern Medicine full site.
- SEO strategy and implementation.
- Marketing campaign automation planning and execution for landing pages and email campaigns.
- Reduction of cost and time to market in creation of micro sites for departments and marketing campaigns.
- Serve as technical lead for creation of women's community for Prentice Hospital.
- Evaluation and selection of multiple vendors for content management systems and agency that executed Digital Strategy.

Applied technologies: Groovy, Grails, MongoDB, PhantomJS, Selenium, Marketo, Unbounce, Workfront (AtTask), Appfog, Google Search Appliance, Brightcove, Vidcaster, Localist, Drupal, Weebly, Watson Analytics, Blazemeter, PhoneGap, Zapier, Feedbackify, Inspectlet, LiveChat, Moz, Geckoboard, NewRelic, Optimizely, CrazyEgg.

#### teqi.org

Founder, Chief Technologist

May 2007 - September 2012 (5 years 5 months)

- Conceptualized, Designed and Produced Spanish Technology site. The site was targeted to Spanish Speaking audience with a passion for technology and interested in new trends, ideas and the exchange of information.
- Managed all aspects of the technology behind the site, including hosting, data and content management system.

#### Sears, Roebuck and Co.

Senior Developer

June 2007 - April 2008 (11 months)

Chicago, IL

- Lead and mentor other developers in coding technical solutions for ManageMyHome.com.
- Applied agile methodologies to programming problems that rely on open source technologies.
- Helped research and recommend open-source technology frameworks to improve site's performance, usability and rapid delivery.
- Lead and manage site's effort to capture user behavior throughout the using Omniture's tools.
- Incorporated third party applications such as Plum.com and Fotki.com to offer seamless integration with site.
- Created contextual ad technology that allows the presentation of offers to users when they rollover keywords.

Applied technologies:

Java, Struts 2.0, Spring, Hibernate, SiteMesh, Alfresco, Prototype, Script.aculo.us, MySQL, Omniture, Plum.com, Fotki.com

## Acquity Group

### Senior Consultant

April 2005 - May 2007 (2 years 2 months)

Chicago, IL

- Served as Senior Consultant for several Java based projects for both custom and packaged solutions.
- Worked with client personnel and developers in implementation of web solutions based on open standards and frameworks such as Struts and AJAX.
- Gathered and document functional requirements and specifications through interviews with stakeholders and analysis of industry best practices.

 Some clients and projects included:

- E! Entertainment Television: Image and Graphics Management Engine: Developed lightbox (drag and drop) functionality for photographers to upload

and manage site's images and for content editors to select and maintain and manage pictures and graphics used in eonline.com (CRX/JSP/Struts/AJAX/JBoss/JPEG's EXIF/Lightbox JS).

- Motorola: Viral Marketing Website for PEBL phone: Developed Flash functionality to send and receive through a .NET interface messages that were sent by the users through the site (Flash, .NET, SQLServer).
- Formica.com: Deployment of Day Communique's Content Management System (Day Communique/JSP/Java Servlets). Constructed day components and templates for the creation of web content.
- Media General: Sites performance enhancement and better clustering for all MG's sites (Day Communique, Java Servlets). Modified code base to improve multiple sites performance as Media General was expanding the number of sites they were bringing under the Day Communique platform.
- Zurich: Drafted functional specification for Zurich's latest version of their reconciliation and control tool for the reinsurance department (VisualStudio/SQL Server/.NET)
- Zimmer: CMS upgrade (Day Communique 3.5.4/4.1) Upgraded and modified base code for their online catalog by adapting LDAP and Day Connectors.
- CNA: Code Migration (Borland App Server/WebSphere/Swing) Upgraded Swing application of their quoting tool from Borland to WebSphere Application Server.

## Quaxar

### Technology Director

November 2000 - March 2005 (4 years 5 months)

Miami, FL

- Lead and develop strategic plans for Digital and IT operations including working with vendors to deliver client platforms and software services.
- Acted as the technical lead architect. Designed and developed the main core products offered by the company.

- Managed client relationships and ensure functional specifications were translated into tangible solutions by the development team.
- Provided guidance and oversight of I.T. team, ensuring appropriate structure were in place to reach goals and objectives of the company.

#### Accomplishments:

- Hewlett-Packard: Product Registration and Online Store: Designed and developed registration and refer a friend engine.
- Intercontinental Hotels (IH): Loyalty Program and Cross Selling: Designed, developed and maintain system to keep track and promote hotel loyalty through a system of points and prizes. Designed and developed system to keep track of sales referrals between hotels. Both systems helped IH double their sales and achieve revenue in the eight figure range. Configured all SQL queries for faster online reports.
- City of Sunrise, Florida: Content Management System (CMS): Designed and developed CMS engine to maintain web presence. Came up with organic algorithm to quickly build and launch site through a mechanism based on templates and parent-child relationships between pages, graphics and documents.
- Telefonica B2B: Newsletter Engine , CMS and Classifieds System: Designed and developed portal like news system and email engine. Created algorithm to deliver one of a kind newsletter to each one of the subscribers based on a matrix of chosen topics, countries, and categories.
- CFE Mexico (Mexican Power Commission): Real-time monitoring of electricity generation: Designed and wrote user interface and alarm triggers for when plants went off the grid. Monitoring system is used throughout the country, making the access to information more efficient and helping save money in the energy market.

#### Lucent Technologies

##### Senior Developer

1998 - 2000 (2 years)

North Andover, MA

- Designed, developed and implemented diverse software solutions to streamline daily manufacturing operations.



- Developed web based interfaces to link legacy systems to new platforms and technologies.

- Researched and introduced new web technologies practices and taught classes on implementing such technologies.

- Worked closely with plant personnel, consultants and product providers on projects of major relevance to the plant's operations.

## SYMTEC, INC.

### Programmer/Consultant

June 1997 - January 1999 (1 year 8 months)

- Worked with clients on the definition of project requirement and specifications. Developed and implemented solutions by extensive use of PROGRESS 4GL and UNIX C (gcc).

- Traveled to client's site for development and deployment of created solutions.

- Coordinated efforts to complete solutions by working with local technology personnel and coworkers who developed part of the solution in a remote location.

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## Education

### Northwestern University

Master of Science, Predictive Analytics (Data Science)

### Harvard University

Masters, Information Technology - Software Engineering

### The University of Texas at Austin

Bachelor of Science, Computer Science

### MIT Professional Education