

# NICOLAS SOLDI

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## PROJECTS

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- **FoodWise (2016):** Gathered 65,000 menu items via public APIs, used natural language processing to extract features and semantic relationships and serving the data via a web application (Python, NLTK & Wordnet, Flask)
- **SFCAPC Abuse Risk Modeler (2015):** Took part in development of machine learning algorithm to model risk of abuse in at-risk families for the San Francisco Child Abuse Prevention Center (MATLAB – Bayes' Net, I Python)
- **House Pricing Data for Clustering Analysis (2015):** Analyzed Zillow and census data to create meaningful geographic clusters for the three major metro areas in California (Python, I Python, SciKit-Learn, Tableau)
- **Eltrollmercio.com (2015):** News aggregator scrapes front-page stories from news site (elcomercio.pe) and allows user community to re-write headlines and vote for new headlines (Node, JavaScript, Meteor, Mongo)

## EDUCATION

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08/14 – 05/16 (anticipated): University of California, Berkeley – Master of Information Management and Systems  
Focus Areas: Product Management, Data Science & Analytics

08/04 – 05/06: R. H. Smith School of Business, University of Maryland – B.S. in International Business

## TOOLS & SKILLS

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- **Data Analysis Tools:** Tableau, I Python Notebooks, R Studio, MATLAB
- **Programming Languages (and Libraries):** Python (SciKit-Learn, NLTK), JavaScript (jQuery, Meteor)
- **Databases:** Oracle SQL, MySQL, Postgres, MongoDB
- **Other:** Certified Scrum Master (Agile Development), fluent Spanish speaker

## WORK EXPERIENCE

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### Kaiser Permanente

[06/2015 – Present: Grad. Intern, Data Scientist]

- Led a pilot project to replace costly government reporting processes with RDOx, an in-memory RDF (triple store) querying system developed by Oxford's information systems group. Researched system parallelization.
- Building a model to better identify the risk of a heart attack by gathering and analyzing diverse patient data
- Drove development of portal for clinicians to access complex querying technology via a user-friendly interface

### Department of Statistics, UC Berkeley

[08/2015 – 12/2015: Graduate Student Instructor]

- Leading two sections of 30 undergraduate students, helping students grasp basic statistics concepts.

### Layka Soluciones

[09/2013 – 08/2015: Co-founder]

- Managed online marketing campaign on LinkedIn including A/B testing of different offers and visual designs
- Worked with Comercia S.A. on proposal to create a GPS tracking system to better manage their ground logistics operations. Co-developed and designed a Django-based GPS tracking web platform.

### Amber Road Inc.

[03/2008 – 09/2013: Lead Functional Consultant (2008-2011) / Business Advisory Consultant (2011-2013)]

- Led implementation projects of global trade management solutions for companies with complex data sets. Clients included General Electric, Panasonic, Wal-Mart, UPS, PPG and MAERSK
- Analyzed ongoing client activity in Amber Road's software suite to optimize performance: uncovered trends, volume cycles, and user behavior to offer valuable recommendations
- PPG Industries: Led requirements definition, system designs, and implementation of system to manage over \$5 billion in annual exports.
- General Electric Healthcare division: Headed implementation projects within GEHC including GLPROD division, integrating the largest Oracle Order Management database in the world at the time with product suite

### Suburban Hispanic Media

[10/2006 – 01/2008: Product and Project Manager]

- As first employee hired, contributed to company's strategy, analyzing research information on local media market, competitors, market demographics, Hispanic market insights, and socio-economic statistics