

# LINA BOUAYAD

Information Systems and Business Analytics  
College of Business, Florida International University  
305-348-5437, [lbouayad@fiu.edu](mailto:lbouayad@fiu.edu)

---

## EXPERIENCE

### **College of Business, Florida International University**

August 2016 – present

*Assistant Professor, Information Systems and Business Analytics*

### **HSR&D Center of Innovation on Disability and Rehabilitation Research**

August 2016 – present

*Research Associate*

July 2014 – present

*Health Science Specialist*

### **Muma College of Business, University of South Florida**

August 2014 – Present

*Visiting Instructor*

August 2010 - May 2013

*Graduate Research Assistant*

### **Lutgert College of Business, Florida Gulf Coast University**

August 2013 – May 2014

*Visiting Instructor*

### **Emergency Communications Network**

February 2013 – August 2013

*Consultant – Data Science*

### **High-Tech Payment Systems, Inc.**

November 2008 – May 2010

*Project Manager*

### **Persysent Technologies, Inc.**

November 2005 – April 2008

*Software Engineer*

### **EdgeAccess, Inc.**

February 2004 – November 2005

*Software Engineer*

### **Watkins Motor Lines, Inc.**

August 2003 - February 2004

*Intern*

## EDUCATION

### **Ph.D. Business Administration (Information Systems)**

*Muma College of Business, University of South Florida (May 2015)*

### **M.S. Management Information Systems**

*Muma College of Business, University of South Florida (December 2006)*

### **B.S. Computer Science**

*College of Engineering, University of South Florida (December 2003)*

### **B.S. Computer Engineering**

*College of Engineering, University of South Florida (December 2003)*  
**Minor Mathematics**  
*College of Engineering, University of South Florida (December 2003)*

## **RESEARCH INTERESTS**

Analytics and algorithms in healthcare  
Medical recommender systems  
Managing information systems development

## **TEACHING & COURSE DEVELOPMENT**

- Created online videos for Business Application Development in C#  
(as part of the Florida Board of Governors TEAm Grant)
- Designed online modules on Web Site Development and Analytics
- Taught sessions online and in-class
  - Business Application Development (2014 – 2015)
  - Electronic Commerce Systems (2014 – 2015)
  - Computer Software and Technology (2013-2014)
  - Systems Analysis and Design (2012-2013)

## **EXPERIENCE IN ANALYTICS AND MANAGEMENT INFORMATION SYSTEMS**

- Developed and evaluated predictive models to dynamically classify transcribed voice messages (2013).
- Managed the implementation of Payment Systems for the Moroccan Highways (2008 – 2010).
- Managed the Telecommunication Migration Project impacting more than 12 million users (2008 – 2010).
- Developed applications to automate computer auto-repair (purge, recovery, and software sync) (2005 – 2008).
- Developed VOIP solutions in LINUX environment (2004 - 2005)
  - VPEP a Voice Performance Enhancement Protocol.
  - Fax over IP using both SIP and VSP Protocols.
- Upgraded a Novell system based application to Windows system (2003 – 2004).
- Built an application to automate information input using an access database and Visual Basic (2003 – 2004).

## **PEER-REVIEWED PUBLICATIONS AND CONFERENCE PRESENTATIONS**

Luther S., Thomason S., Sabharwa S., Finch D. McCart J. Toyinbo1 P., **Bouayad L.**, Matheny M., Gobbel G., Powell-Cope G. "Leveraging Electronic Health Care Record Information to Measure Pressure Ulcer Risk in Veterans with Spinal Cord Impairment: A Protocol Review." JMIR Research Protocols.

**Bouayad, L.**, Finch, D., Kerns, R., Becker, W., Houston, T., Luther, S., Shimada, S. (November 2016) "Early Detection of Side Effects and Adverse Reactions: Mining of Patient Secure

Messages.” Poster presented at American Medical Informatics Association Annual Symposium. Chicago, Illinois.

**Bouayad, L.,** Shrivastava S., Singh V., Ialynytchev A., Padmanabhan, B., (November 2016) “One Class at a Time: Experiments with Cascading Classifiers in Healthcare.” Poster presented at CEGS N-GRID Shared-Tasks and Workshop on Challenges in Natural Language Processing for Clinical Data. Chicago, Illinois.

**Bouayad, L.,** Padmanabhan, B., Chari. K. (December 2014). Real-Time Recommendations under Time Pressure. Workshop on Technology and Systems, Auckland, New Zealand.

**Bouayad, L.,** Padmanabhan, B., Chari. K. (March 2014). Reducing Waste and Abuse in Healthcare. Poster presented at Winter Conference on Business Intelligence, Salt Lake City, Utah.

**Bouayad, L.,** Padmanabhan, B., Chari. K. (March 2014). Reducing Waste and Abuse in Healthcare. Poster presented at Winter Conference on Business Intelligence, Salt Lake City, Utah.

**Bouayad, L.,** Padmanabhan, B., Chari. K. (December 2013). Medical Audit under the Sentinel Effect. Poster presented at Workshop on Technology and Systems, Milan, Italy.

**Bouayad, L.,** Padmanabhan, B., Chari. K. (November 2013). Medical Audit under the Sentinel Effect. Paper presented at Workshop on Health IT and Economics, Washington DC.

**Bouayad, L.,** Padmanabhan, B., Chari. K. (March 2013). Medical Audit under the Sentinel Effect. Poster presented at Winter Conference on Business Intelligence, Salt Lake City, Utah.

### **WORKING PAPER FOR JOURNALS (Completed Work)**

**Bouayad, L.,** Padmanabhan, B., Chari. K. “Audit Algorithms under the Sentinel Effect.” (Under review)

**Bouayad, L.,** Padmanabhan, B., Chari. K. “Realtime Recommendations under Time Pressure.” (Under Review)

**Bouayad, L.,** Ialynytchev, A., Padmanabhan, B., “A Literature Review of Scope and Functionalities in US Patient Health Record Systems.” (expected submission September 2016)

### **WORKING PAPERS (Early Stage)**

**Bouayad, L.,** Shrivastava, U., Singh, V., Ialynytchev, A., Padmanabhan, B. “One Class at a Time: Experiments with Cascading Classifiers in Healthcare.” (expected submission November 2016)

**Bouayad, L.,** Finch, D., Kerns, R., Becker, W., Houston, T., Luther, S., Shimada, S., Padmanabhan, B. “Early Detection of Side Effects and Adverse Reactions: Mining of Patient Secure Messages.” (expected submission January 2017)

### **SPEAKING ENGAGEMENTS**

**Bouayad, L.** (May 2015). “Taking Your Ph.D. Beyond the Classroom – Considering Administrative Careers and Opportunities in the Private/Public Sector Paths”. Women’s Leadership in Doctoral Education & Careers in Academia Conference, Tampa, Fl.

## **AWARDS**

**Bouayad, L.,** Padmanabhan, B., Chari. K. (April 2015). “Audit under the Sentinel Effect.” Finalist at the Annual State of Florida Healthcare Innovation Competition.