

# Edgardo Barsallo Yi

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[linkedin.com/in/ebarsallo](https://www.linkedin.com/in/ebarsallo) • [github.com/ebarsallo](https://github.com/ebarsallo)  
ebarball@purdue.edu • (765)409 9949

## EDUCATION

### PURDUE UNIVERSITY

#### PHD IN COMPUTER SCIENCE

Expected 2019 | West Lafayette, IN  
GPA: 3.51

### PURDUE UNIVERSITY

#### MASTER IN COMPUTER SCIENCE

May 2017 | West Lafayette, IN  
GPA: 3.45

### UNIVERSIDAD PONTIFICIA DE SALAMANCA

MASTER IN SOFTWARE ENG.  
Mar 2007 | Madrid, Spain

### GRADUATE DIPLOMMA IN E-COMMERCE

Sept 2003 | Panama, Panama

B.Sc., COMPUTER SYSTEM ENG  
Oct 1999 | Panama, Panama

## COURSEWORK

### GRADUATE

Operating Systems  
Algorithms Analysis and Design  
Parallel Computing  
Fault Tolerant Comp Sys Dsgn  
Software Engineering  
Information Retrieval  
Data Mining  
Databases  
Distributed Databases  
Interactive Computer Graphics

### UNDERGRADUATE

Databases (TA)  
Software Engineering (TA)  
Programming in C (TA)

## SKILLS

### Significant Experience:

C/C++ • Shell Scripting • VB.Net •  
Java • JavaScript • Nodejs •  
Oracle • MySQL • PL/SQL •  
Android •  $\LaTeX$

### Some experience with:

Python • R • Matlab • C#

### Familiar:

Hadoop • Spark • GraphX • MPI

## EXPERIENCE

### PURDUE UNIVERSITY | GRADUATE RESEARCH/TEACHING ASSISTANT

Sept 2017 - Present | West Lafayette, IN

- TA for Introduction to Databases course (Undergraduate).
- IoT Sensors (Mesh Network).
- Distributed System and Graph Database Research.

### INDRA | PROJECT MANAGER + SOFTWARE ARCHITECT

Jan 2007 – Jun 2013 | Panama, Panama

- Responsible of the design and maintenance of the architecture used in applications developed by the Indra Software Lab.
- PM of software projects based upon SOA or C/S architecture.
- Leader of R+D initiatives in Indra Software Lab.

### SOLUZIONA | INFORMATION SYSTEM FUNCTIONAL MANAGER

Jan 2006 – Abr 2006 | Lisbon, Portugal

- Soluziona SL representative at GALP Energia.
- Functional Administrator of the ERP System at GALP Energia

### SOLUZIONA | SOFTWARE DEVELOPER & TEAM LEADER

Jun 1999 – Dec 2005, May 2006 – Dec 2006 | Panama, Panama

- Analyzed, designed and developed client/server applications.
- Led software development team.

## RESEARCH

### PURDUE UNIVERSITY | RESEARCH

2017 - Present | West Lafayette, IN

Wearable Resilience, with **Dr. Amiya Maji** and **Dr. Saurabh Bagchi**.

2016 – 2017 | West Lafayette, IN

**TruenoDB**: An scalable Graph Database System on top of Spark, GraphX and ElasticSearch. Advisor: **Dr. Ananth Grama**.

2016 | West Lafayette, IN

**Ownstream**: A media streaming system using WebRTC.

### UNIVERSIDAD PONTIFICIA DE SALAMANCA | MASTER THESIS

2007 | Madrid, Spain

A proposal for an e-learning authoring tool supported by a SOA architecture aimed to facilitate the distribution and reuse of learning objects. Advisor: **Dr. Jorge Torres**

## AWARDS

- 2013 Fulbright Scholarship.
- 2006 Nominated for the IV Intl. "C" Award for Work and Dedication (Unión Fenosa)
- 2003 Fundación Carolina Fellowship for Graduate Studies in Spain.
- 1999 Graduation Rank: 4 out of 94 (Summa Cum Laude).

## SOCIETIES

- 2017 Computer Science Graduate Student Board (Treasurer)
- 2007 Project Management Institute (Active Member)
- 2006 IEEE - Computer Society (Active Member)