

Joseph Ledet

Antalya International University
Department of Computer Engineering
Üniversite Caddesi No 2
Döşemealtı, Antalya, Türkiye, 07190
+90 (535) 216 4013
joseph.ledet@antalya.edu.tr

EDUCATION

Doctor of Philosophy, Computer Science
Auburn University, Auburn, AL Presently Pursuing

Master of Science, Computer Engineering
University of Louisiana at Lafayette, Lafayette, LA December 2003

Bachelor of Science, Computer Engineering
Bachelor of Science, Electrical Engineering
Louisiana State University, Baton Rouge, LA December 2001

PROFESSIONAL EXPERIENCE

BAE Systems - IT, Montgomery, AL September 2006 – August 2012
Title: Senior Programmer
Worked with a team of developers to design, test, and maintain software.
Responsibilities included:

- Writing code for the client application
- Finding and fixing defects
- Maintaining documentation for releases
- Updating application to conform to security requirements

Moceansoft Consulting, Denham Springs, LA January 2005 – September 2006
Title: Programmer 1
Worked with a team of developers to design, test, and maintain software to enter and track information concerning equipment and components for a global oil company.
Responsibilities included:

- Writing code for the application
- Designing reports to display information about equipment and inspections
- Converting data used with another application to be formatted for use with the current application

Public Systems Associates, Baton Rouge, LA February 2004 – November 2004
Title: Quality Assurance Engineer
Assisted a team of developers to test software to construct and track documents for government bodies.
Responsibilities included:

- Writing and executing test cases for the application
- Report defects found and assist developers in creating solutions

ACADEMIC EXPERIENCE

Antalya International University, Antalya, Türkiye

September 2015 - Present

Department of Computer Engineering

Title: Instructor

Taught undergraduate courses in Introduction to Programming and Object-Oriented Software Development

Languages used for instruction included:

- Python
- C
- Java

Auburn University, Auburn, AL, Department of Computer Science and Software Engineering

Orta Doğu Teknik Üniversitesi, Ankara, Türkiye, Department of Computer Engineering Visiting Researcher

Title: Graduate Research Assistant

May 2013 - Present

Professors: Dr. Levent Yilmaz and Dr. Halit Oğuztüzün

Worked with a team of professors, graduate students and undergraduate students to develop a process for the transformation between platform specific models and platform independent models. This process is intended to be used as part of a larger goal to develop a tool to enhance scientific replicability and reproducibility.

Languages and applications used include:

- Simulink
- Atlas Transformation Language (ATL)
- Unified Modeling Language (UML) and Systems Modeling Language (SysML)
- Extensible Markup Language (XML) and Extensible Stylesheet Language Transformations (XSLT)

Title: Graduate Teaching Assistant

January 2013 - May 2013

Instructed undergraduate Computer Science students in the lab portion of Introduction to Java course.

Responsibilities included:

- Overseeing students working on lab assignments and projects
- Answering students' questions and concerns including being available during a weekly help session
- Assisting with developing programming assignments and projects
- Developing quizzes and examinations

Faulkner University, Montgomery, AL

August 2007 - May 2009

Computer Science Department

Title: Adjunct Instructor

Taught undergraduate courses in the following topics:

- Introduction to computer science
- Introduction to object-oriented programming
- Introduction to databases
- Algorithm design and data structures

Languages used for instruction included:

- Visual C++
- Microsoft Access

COMPUTER SKILLS

Advanced understanding of:

- JAVA, SQL, PL/SQL, ORACLE, ATL, XML, XSLT, UML, SysML, JDeveloper, Papyrus, MATLAB, Simulink, TOAD for ORACLE, PHP, MySQL, HTML, Ruby, C, C++, Visual Studio (particularly Visual C++), Powerbuilder, various other software applications

Basic understanding of:

- SQL Advantage, Repast, circuitry, Crystal Reports, ORACLE Forms and Reports, and digital design

PUBLICATIONS

- Teran-Somohano, A., A. E. Smith, J. Ledet, and L. Yilmaz (2015). "A Model-Driven Engineering Approach to Simulation Experiment Design and Execution," Conditionally Accepted to appear at the *2015 Winter Simulation Conference*, December 6-9, Huntington Beach, California.
- Ledet J., S. Çam, B. K. Görür, O. Dayıbaş, H. Oğuztüzün, L. Yilmaz, and A. E. Smith (2015). "A Hybrid Transformation Process for Simulation Modernization and Reuse via Model Replicability and Scenario Reproducibility" in Proceedings of the *2015 AlaSim International Conference*, May, 2015. Huntsville, Alabama.
- Ledet J., A. T-Somohano, Z. Butcher, L. Yilmaz, A. E. Smith, H. Oğuztüzün, O. Dayıbaş, and B. K. Görür (2014). "Toward Model-Driven Engineering Principles and Practices for Model Replication," in Proceedings of the *2014 Summer Computer Simulation Conference*, pp. 34-41. July 7-11, Monterey, California.

HONORS AND CERTIFICATIONS

Turkish Language Diploma - "Active" Foreign Language School, Ankara
NSF S-STEM Scholarship for Graduate Studies – Fall 2012
Board of Regents Student Fellowship – Fall 2002 - Fall 2003
Graduated Cum Laude from LSU – Fall 2001
Member of LSU Ambassadors Student Orientation Organization – Fall 1998 - Fall 2001