

Dr. Alina Olteanu

Curriculum Vitae

Department of Biology, Chemistry, Mathematics and Computer Science
210 Harman Hall, University of Montevallo, AL 35115
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EDUCATION

Doctor of Philosophy in Computer Science, 2009

Dissertation: "Network Security: Design, Analysis and Tradeoff Evaluation"
The University of Alabama, Tuscaloosa, AL

Master of Science in Computer Science, 2007

The University of Alabama, Tuscaloosa, AL

Master of Science in Applied Mathematics, 2005

Thesis: "Elements of Nonlinear Programming"
Polytechnic University of Bucharest, Bucharest, Romania

Bachelor of Science in Computer Science, 2003

University of Bucharest, Bucharest, Romania

TEACHING

Assistant Professor of Computer Science, 2019-

University of Montevallo, Department of Biology, Chemistry, Mathematics and Computer Science

Courses taught:

- CS 161 Introduction to Computer Science
- CS 170 Introduction to Programming with Python
- CS 270 Object-Oriented Programming
- CS 280 Algorithm Development
- CS 315 Software Engineering
- CS 320 Database Management Systems
- CS 364 Web Development
- CS 405 Computer Networks
- CS 485 Senior Seminar

Assistant/Associate Professor, 2011-2014

Spiru Haret University, Department of Mathematics and Computer Science, Bucharest, Romania

Courses taught (selection):

- Programming and Algorithms
- Object Oriented Programming
- Computer Networking

Graduate Teaching Assistant, 2005-2007

The University of Alabama, Department of Computer Science, Tuscaloosa, AL
Courses taught: CS 102: Microcomputer Applications

Computer Science Tutor for Student-Athletes, 2008

The University of Alabama, Athletic Academic Programs, Tuscaloosa, AL

Courses tutored (selection):

- CS 205: Advanced Web Design with JavaScript
- CS 285: Computerized Management Information Systems
- CS 466: Information Systems

INDUSTRY EXPERIENCE

Software Developer III Enterprise, 2016-2019

UAB Health Systems, Birmingham AL

Senior Software Engineer / Software Consultant, 2014-2016

NWN Corp, Doozer Software, Birmingham, AL

Software Consultant, 2009-2011

Computer Technology Solutions, Birmingham, AL

SERVICE, LEADERSHIP, COMMITTEES and PROFESSIONAL ASSOCIATIONS

- UM representative to the Computer Science Preprofessional Academic Committee (PAC), 2021-
- Participant in the COPLAC Grant Affinity Group for Computer Science, 2021-
- Member of IEEE Computer Society, 2021-
- Advisor to Computer Science majors and minors, 2020-
- Member of the Academic Support Subcommittee at UM, 2020-
- Member of the Concert Lecture Committee at UM, 2020-
- Developer of CS curriculum, 2020-
- Coordinator of the Computer Science Program, 2020-
- Member of the faculty search committee for Computer Science, 2020-2021
- Member of the Digital Communication Committee at UM, 2019-2021
- Initiator of several marketing materials and talks in support of the CS program, 2019-
- UM faculty representative for NCWIT Academic Alliance, 2019-
- Member of the editorial board of ISRN Sensor Networks Journal, 2012-2014
- Member of the technical committee for the 6th International Workshop on Sensor Networks (SN 2013)
- Grant Evaluator for the Romanian National Council of Scientific Research, 2012 and 2014
- Member of UPE National Honor Society for Computer Science, 2008-
- Member of Golden Key International Honor Society, 2008-
- Reviewer for several journals and conferences (selection): IEEE Transactions on Network Science and Engineering (TNSE), ISRN Sensor Networks, Wiley Journal of Security and Communication Networks (SCN), EURASIP Journal on Wireless Communications and Networking (EURASIP JWCN), International

Journal of Communication Systems (IJCS), International Journal of Pervasive Computing and Communications (IJPCC)

CERTIFICATIONS and AWARDS

Cisco Certified Network Associate (CCNA), Module 1, 2012

Cisco Networking Academy

Oracle Certified Professional Java 6.0 Programmer (OCPJP), 2011

Oracle Certification Program

Outstanding Dissertation Award Nominee, 2010

Department of Computer Science, The University of Alabama

W4-Net Best Researcher Award, 2009

For contributions to high quality research in security analysis, security modeling, and tradeoff analysis of security and performance

The University of Alabama

Outstanding Research by a Doctoral Student Award, 2009

Department of Computer Science, The University of Alabama

Graduate Student Research and Travel Support Award, 2009

The University of Alabama

Graduate Student Research and Travel Support Award, 2008

The University of Alabama

Java Certified Programmer, 2004

Cisco Systems, Bucharest, Romania