ABOUT

E-Mail: aladagemre AT gmail
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Github: http://github.com/aladagemre
Bitbucket: https://bitbucket.org/aladagemre

RESEARCH INTERESTS

Complex Network Analysis, Visualization, Social Networks, Data Science

SKILLS

Python, Django, PyQt4, pip, virtualenv, fabric, Scrapy
Go, R, D3.js, numpy, scipy, networkx, matplotlib
NodeJS, Express, Restify, MongoDB, Redis, Neo4J
PHP, XHTML, HTML5, JavaScript, JQuery, CSS, Bootstrap
C, Java, JUnit, Hadoop, Giraph, Nutch, HBase, MySQL
Linux, svn, git, LaTeX, Jenkins, JIRA

LANGUAGES

Turkish	:	Native Speaker
English	:	Fluent - TOEFL iBT: 108 (R29 L26 S26 W27), KPDS: 97.5
German	:	Beginner

EDUCATION

Boğaziçi University, İstanbul, Turkey

2011 - Present : PhD., Computer Engineering (3.56/4.00)

Field: Complex Networks and Systems

Supervisor: Assoc. Prof. Haluk Bingöl

Kadir Has University, İstanbul, Turkey

2009 - 2011 : M.Sc., Computer Engineering (4.00 / 4.00)

Thesis Topic: Visualization of Protein-Protein Interaction Networks
Supervisor: Assoc. Prof. Cesim Erten

Carleton University, Ottawa, ON, Canada

January 2009 - April 2009: B.Sc. Exchange, School of Computer Science

Işık University, İstanbul, Turkey

2005 - 2009 : B.Sc., Computer Science & Engineering (3.74 / 4.00)

Kadir Has Anadolu High School, İstanbul, Turkey

2001 - 2005 : H.S., Science (5.00 / 5.00)

AGMLab, İstanbul, Turkey.

R&D Engineer February 2013 – September 2013
- Link Analysis Team Leader. Responsible for Graph-based ranking algorithm implementations (Giranking) with Apache Giraph and their integration to Apache Nutch.
- Worked on BuluttDepo (Dropbox-clone) desktop application for Türk Telekom.

Kadir Has University Computer Engineering Department

Research Fellow (funded by TÜBİTAK) September 2009 – August 2011

Analysis, visualization and verification of Protein-Protein Interaction Networks with respect to Co-Ontology and Co- Expression concepts.
Project: Robinviz (Reliability Oriented Bioinformatic Network Visualization)
Supervisor: Assoc. Prof. Cesim Erten

Teaching Assistant September 2009 – June 2011
- Crash Python Course to Introduction to Computational Biology class.
- Crash Java Course to Data Structures and Algorithms class.
- Exam, Homework, Project grading on Discrete Mathematics, Data Structures and Algorithms, Analysis of Algorithms and Introduction to Computational Biology courses.

National Research Institute of Electronics and Cryptology (TÜBİTAK/UEKAE)
Pardus Linux Project, Kocaeli, Turkey.

Software Intern August 2008 – September 2008.

Developed Sahip (an XML Generator) with PyQt4, a package search web site with Django which allows searching for packages containing a specified program, path or subpath.

Alcatel-Lucent, İstanbul, Turkey

Software Engineering Intern July 2008 – August 2008

Done software development with Python and Web development with Java Server Faces, installed/configured a server with RHEL5 and Oracle 10g Enterprise Server on it.

Tellcom, İstanbul, Turkey

Network Intern July 2007 – August 2007

Done Cisco Router Configuration, DNS forwarding, DSL Modem Benchmarking and Reporting, Router Software Development (bulk command generator)

Işık University Computer Club

Supervising Board Member June 2008 – June 2009

Vice President, Activity Organiser September 2007 – May 2008

IEEE Branch Technical Director November 2007 – June 2008

President October 2006 – June 2007

Işık University Computer Science & Engineering Department

Teaching Assistant September 2006 – June 2007

Supervised in the labs of the course Introduction to Programming (on C Programming Language)

PUBLICATIONS	A.E. Aladağ, C. Erten. "SPINAL: scalable protein interaction network alignment." Bioinformatics 29.7 (2013): 917-924.
	A.E. Aladağ, C. Erten, M. Sözdinler, "Reliability Oriented Bioinformatic Networks Visualization", Bioinformatics, vol 27, pp. 1583-1584, 2011.
	A.E. Aladağ, C. Erten, M. Sözdinler, "An integrated model for visualizing biclusters from gene expression data and PPI networks", Proc. International Symposium on Biocomputing, no.24, 2010.

ACHIEVEMENTS AND AWARDS	**Boğaziçi University**	
	• TÜBİTAK PhD Fellowship	$2011 - 2016$
	Kadir Has University	
	• Full tuition award	$2009 - 2011$
	Işık University	
	• Ranked 2nd among 60 CSE Students	2009
	• Fellowship for Oracle DBA Training from Bilginç IT Academy.	2008
	• Full tuition award	$2005 - 2009$

STARTUP EX	"Launching a Successful Software Startup" course by Emrah Yalaz in Boğaziçi University covering Lean, Agile, Scrum methodologies.

SPECIAL TRAININGS AND COURSES	Oracle Database 10g Administration, Bilginç IT Academy	April 2008 – June 2008
	Oracle Database 10g: Introduction to SQL, Bilginç IT Academy	March 2008
	Efficient and Fast Reading, ALGE Eğitim Danışmanlık	Summer 2007

PRESENTATIONS AND SEMINARS GIVEN	• Linux Seminar at Kadir Has University in 2014. • Python and Linux Seminar at Karabük University in 2014. • Robinviz - Project presentation to faculty in 2010. • Linux Seminars in 2007, 2008 and 2010 to 500 people in total. • Intensive Python Trainings in 2008 and 2011. • Python for Java Programmers Seminar to Alcatel-Lucent employees in 2008.

COURSEWORK IN FIELD	**Undergraduate Courses Taken:** Data Structures, Analysis of Algorithms, Computer Graphics, Operating Systems, Computer Organization, Principles of Programming Languages, Database Systems, Software Engineering, Computer Networks, Bioinformatics, Applied Cryptography, Engineering Statistics, Game Theory, Robotics, Automata Theory **Graduate Courses Taken:** Technology Entrepreneurship, Parallel Programming, Systems Programming, Operating Systems, Data Mining and Warehousing, Design and Analysis of Algorithms, Client and Server Side Web Programming, Engineering Optimization and Algorithms, Complex Networks, Social & Semantic Web, Artifical Intelligence, Evolutionary Dynamics, Computational Biology & Bioinformatics, Brain Dynamics, Biostatistics, Pattern Recognition, Information Retrieval, The Analytics Edge (Data Science).