
CONTACT INFORMATION	E-mail: aladagemre at gmail.com	Istanbul/Turkey
WEB PAGES	Personal Site: http://www.emrealadag.com Projects: http://www.emrealadag.com/projects Linkedin: http://www.linkedin.com/in/ahmetemrealadag Github: http://github.com/aladagemre Bitbucket: https://bitbucket.org/aladagemre	
STARTUP EX	"Launching a Successful Software Startup" course by Emrah Yalaz in Boğaziçi University covering Lean, Agile, Scrum methodologies.	
INTERESTS	Data Science, Network Science, Visualization, Backend Development, Full-stack Development	
SKILLS	Python, Django, Flask, Celery, PyQt4, pip, virtualenv, fabric, Scrapy R, D3.js, NumPy, SciPy, Scikitlearn, NetworkX, Matplotlib, Spark NodeJS, Express, Restify, MongoDB, Redis, Neo4J Scala, Akka, Crystal, Go, Revel HTML5, JavaScript, JQuery, AngularJS, CSS, Bootstrap C, Java, JUnit, Hadoop, Giraph, Nutch, HBase, MySQL Linux, OSX, Docker, Mesos, Heroku, git, L ^A T _E X, 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) Thesis Topic: User profiling via text, data & network mining Field: Complex Networks and Systems 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)	

EXPERIENCE

Fikrimuhall Teknoloji, İstanbul, Turkey.

R&D Engineer

October 2015 – Present

- Technologies used: Scala, Akka, Play, NodeJS, ES6, Crystal, Python
- Developing distributed backend with Scala/Akka
- Building distributed Apache Mesos clusters
- Building Continuous Integration infrastructure
- Software Development for custom needs
- Architecture Design and development for large-scale software projects

Universal Bilgi Teknolojileri, İstanbul, Turkey.

R&D Engineer

April 2015 – September 2015

- Designed R & D Project proposals
- Performed UX Design
- Developed Social Network Monitoring tools

AGMLab, İstanbul, Turkey.

R&D Engineer

February 2013 – September 2013

- Led Link Analysis Team of Turkish Search Engine running on a cluster of 100+ servers.
- Implemented Graph-based distributed ranking algorithms (open source [Gi-ranking](#) tool) with Apache Giraph and performed their integrations to Apache Nutch, Solr and HBase.
- Developed proxy and sync mechanism of BuluttDepo (Dropbox-clone) desktop application for Türk Telekom.

Upwork (ODesk)

Freelance Software Developer

October 2013 – Present

Woramo

Co-Founder, Software Lead

August 2011 – October 2013

- Woramo is a social network for sharing product/service reviews online. Friends can ask each other's opinion about a product or service over social networks. Users can share what they like and dislike and build wish lists. Those lists can be used to find gifts for friends. Members can also post questions about products and services, which can be answered by other community members.
- Stack: Python, Django, MySQL, Redis, Celery, Memcached, Elasticsearch, Nginx, Jenkins.

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)

PUBLICATIONS

A.E. Aladağ. "İstanbul Toplu Taşıma Ağı Analizi (Istanbul Public Transportation Network Analysis)", Akademik Bilişim Konferansı, 2016.

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

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

PRESENTATIONS AND SEMINARS GIVEN

- Microservice Architecture with Docker and Apache Mesos, FOSS and Linux Days, 2016.
- Introduction to Machine Learning, Data Science Istanbul, 2016.
- Linux Seminar at Kadir Has University in 2014.
- Python and Linux Seminar at Karabük University in 2014.
- Linux Seminars in 2007, 2008 and 2010 to 500 people in total.
- Intensive Python Trainings in 2008 and 2011.

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, Technology Entrepreneurship

Graduate Courses Taken: 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, Artificial Intelligence, Evolutionary Dynamics, Computational Biology & Bioinformatics, Brain Dynamics, Biostatistics, Pattern Recognition, Information Retrieval

Independent Coursework: MITx - The Analytics Edge (Data Science)