Ahmet Emre Aladağ   April, 2016

CONTACT
INFORMATION   E-mail: aladagemre@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 Uni-
                 versity covering Lean, Agile, Scrum methodologies.

INTERESTS   Data Science, Network Science, Visualization, Backend Development, Full-stack De-
                 velopment

SKILLS   Python, Django, Flask, Celery, PyQt4, pip, virtualenv, fabric, Scrapy
                 Scala, Akka, Crystal, Go, Revel, R, D3.js, NumPy, SciPy, NetworkX, Matplotlib
                 NodeJS, Express, Restify, MongoDB, Redis, Neo4J
                 HTML5, JavaScript, JQuery, AngularJS, CSS, Bootstrap
                 C, Java, JUnit, Hadoop, Spark, Giraph, Nutch, HBase, MySQL
                 Linux, OSX, Docker, Mesos, Heroku, 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)
                         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)

Fikrimuhal R&D, 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 Giranking 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, Artifical Intelligence, Evolutionary Dynamics, Computational Biology & Bioinformatics, Brain Dynamics, Biostatistics, Pattern Recognition, Information Retrieval

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