CONTACT INFORMATION	E-mail: aladagemre at gmail.com Skype: aladagemre

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

INTERESTS

Software Architecture Design, Backend Development, Full-stack Development, Data Science, Text Mining, Network Science, Visualization, Personality Models

SKILLS

Experience: Python, Django, Flask, Celery, Scrapy
Scala, Akka, Java, MySQL, MongoDB, Redis, Neo4J
Scikit-learn, Pandas, NetworkX, Matplotlib, R
HTML5, JavaScript, JQuery, ReactJS, Redux, CSS
GIT, Linux, OSX, Docker, Mesos, Heroku, Jenkins, JIRA, LaTeX

Familiarity: C, Crystal, Go, NodeJS, Spring Boot, Vue.js

LANGUAGES

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

STARTUP EX

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

EXPERIENCE

Doist.com, Madrid, Spain.

Software Engineer   November 2018 – Present
- Backend development for Twist.com team communication system.
- Stack: Python, MySQL, Redis, AWS

Amazon.com, Madrid, Spain.

Software Development Engineer II   July 2017 – November 2018
- Amazon Business Checkout / Orders
- Gathered business requirements, prepared Business Requirements Document.
- Designed and iterated software architecture
- Involved in implementation and documentation
- Created tools for reducing operational workload
- Proposed and prepared PoC for a Machine Learning System for detecting responsible teams for incoming customer tickets.

Fikrimuhal Teknoloji, İstanbul, Turkey.

R&D Engineer on HiveCDN   October 2015 – March 2017
- Stack: Scala, Akka, Play, React, NodeJS, ES6, RxJs, Python, WebRTC
- Worked on HiveCDN (P2P supported CDN) project.
- Designed architecture and algorithms.
- Developed backend and frontend with microservice architecture.
- Prepared grant proposals for government fundings.
- Built Continuous Integration and Deployment infrastructure.

Universal Bilgi Teknolojileri, İstanbul, Turkey.

R&D Consultant   April 2015 – September 2015
- Prepared R & D Project proposals
- Performed UX Design

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 (Giranking) 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.

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

Developed a tool for performing 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: Prof. Dr. Cesim Erten

Teaching Assistant   September 2009 – June 2011
- Gave crash Python Course to Introduction to Computational Biology class.
- Gave crash Java Course to Data Structures and Algorithms class.
- Performed exam, homework, project grading on Discrete Mathematics, Data Structures and Algorithms, Analysis of Algorithms and Introduction to Computational Biology courses.

EDUCATION   Boğaziçi University, İstanbul, Turkey

2011 - 2019 (Expected) : PhD., Computer Engineering (3.56/4.00)

Thesis Topic: Detecting Suicidal Ideation on Forums using Text Mining
Stack: Python, scikit-learn, nltk, pandas
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: 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)

PUBLICATIONS	A. E. Aladağ, S. Muderrisoglu, N. B. Akbas, O. Zahmacioglu, H. O. Bingol. Detecting Suicidal Ideation on Forums: Proof-of-Concept Study, J Med Internet Res 2018;20(6):e215.

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 $2005 - 2009$

PRESENTATIONS AND SEMINARS GIVEN

- Microservice Architecture with Docker and Apache Mesos, FOSS and Linux Days, 2016.
- Introduction to Machine Learning, Data Science Istanbul, 2016.
- Python and Linux Seminar at Karabük University in 2014.
- Linux Seminars between 2007 and 2014 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)

HOBBIES AND INTERESTS	Healthy Living, Personal Growth, Productivity Techniques, Blogging, Traveling, Photography