

George Smyrnaio

Education

Sept. 2009 – **Grade: 7.0 (est.)**, *Computer Science Department*, University of Crete.
Nov. 2015

Graduation Thesis

title “*Opinion Mining on Parliamentary Commentaries, using Machine Learning.*”
supervisors Dimitris Plexousakis,
Professor of Computer Science, University of Crete
description Developed a tool that recognizes patterns on plain texts in order to extract several kind of semantic information (like arguments, suggestions, general agreement of the author) using machine learning.

Technologies used

Java Web Server: Implemented a Java Web Server in order to communicate with the Back-End system.

HTML5 - Javascript: Developed a simple GUI in order to let the user send raw texts for analysis.

MySQL: Implemented a MySQL Database in order to store the output of the data mining process.

Elasticsearch: Elasticsearch used in order to create an index, which used for the mining process. Especially to use TF-IDF and perform complex queries to the index.

WEKA Framework: Used to apply several machine learning algorithms.

Experience

Vocational

- 2015 **Junior Software Developer**, Velti, Athens.
Technologies: Oracle DB, MyBatis, Spring, Java, AngularJS, Apache FreeMarker, HTML/Javascript/CSS
Developer Tools: IntelliJ IDEA, Oracle SQL Developer, Git, Jenkins-CI, JIRA
- 2014–2015 **Database Systems within the program NSRF 2014**, *Database System Developer*, HCMR, Heraklion.
Developed a Database Administration System from scratch.
The front-end is written in JAVA FX and the database is implemented in MySQL.
- 2013–2014 **Database Systems within the program NSRF 2013**, *Database System Developer*, HCMR, Heraklion.
Developed a Database Administration System from scratch.
The front-end is written in PHP and the database is implemented in MySQL.

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Miscellaneous

- 2015 **Talk of Europe**, *Creative Camp*, Amsterdam, CLARIN.
2015 **Scientific Writing Workshop**, *Workshop*, Heraklion, University of Crete.
2013-2015 **Several Projects on GitHub**, <https://github.com/smyrgeorge>.

Programming

Programming Languages	C, C++, Java, Python, Ruby, JavaScript, R, PHP, BASH, HTML, CSS, SQL, SPARQL
Frameworks	AngularJS, Spring Security, Spring MVC, JAVA FX
Databases	MySQL, Oracle DB, SQLite, Virtuoso, Firebase
Developer Tools	Git, JIRA, Docker, Netbeans, IntelliJ, Jenkins, Heroku, Travis-ci, npm, bower

Courses

- CS340 **Compilers**
CS561 **Web Data Management**
CS345 **Operating Systems**
CS459 **Internet Measurements**
CS436 **Software Defined Network (SDN)**
CS352 **Software Engineering**
CS335 **Computer Networks**
CS460 **Database Management Systems**
CS463 **Information Retrieval Systems**

Languages

- Greek **Native Language**
English **Lower**
English **ILTS (est. April)**

Interests

- Computer Science databases, data mining, machine learning, cloud, SDN, algorithms, computer networks, network analysis, back-end programming, front-end programming