

# George Smyrnaio

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## 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.

While i was there i was part of a developer team which had the role to extend the software of the company. Several technologies used like Spring, AngularJS and OracleDB

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>.

## 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. December)**

## Programming

- Programming Languages C, C++, Java, Python, Ruby, JavaScript, R, PHP, HTML, CSS, SQL, SPARQL  
Frameworks AngularJS, Spring Security, Spring MVC  
Databases MySQL, Oracle, SQLite  
Developer Tools Git, Docker, Netbeans, IntelliJ

## Interests

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