George Smyrnaios

Education

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

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 - **Javasrcipt:** 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 an perform complex queries to the index.

WEKA Framework: Used to apply several machine learning algorithms.

Experience

Vocational

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.

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.

Miscellaneous

2015 — **Talk of Europe**, *Creative Camp*, Amsterdam, CLARIN.

2015 — **Scientific Writing Workshop**, *Workshop*, Heraklion, University of Crete.

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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, Ruby on Rails, SQL, SPARQL
Databases	MySQL, Oracle, SQLite

Interests

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