ELENI DRIVA

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EDUCATION

B.Sc. in Informatics
Athens University of Economics and Business | 09/2014 - 03/2020
Specialisation:
- Database and Knowledge Management
- Computer Systems and Networks

Grade: 7.31/10

General Certificate of Secondary Education
1st High School of Cholargos, Athens | 09/2011 - 06/2014
Grade: 19/20

SOFTWARE ENGINEERING SKILLS

Languages
· Java · C++ · SQL · HTML/CSS · JavaScript · Python · VB.net · VHDL · Assembly

Frameworks
Spring (Spring MVC, Spring Boot, Spring Security)

Databases
MS SQL-Server

Operating Systems
· Windows · Linux

Search Engines and Other Tools
· Elasticsearch · Kibana · JSON · trec_eval · sablecc · Wireshark · UML · Maven

Software
· Microsoft Visual Studio · Visual Studio Code · Atom · Android Platform · Eclipse · Altera Quartus II · NetBeans · PyDev · Adobe Photoshop

FOREIGN LANGUAGES

English (C2)
German (B1)

INTERESTS

· Learning new languages
· Travelling · Reading · Gaming
· Creating logos and business cards
· Technology

WORK EXPERIENCE

Store Supervisor
PetCity branch of Cholargos | 10/2016 – 10/2018
Duties: · Oversaw and collaborated with staff members · Evaluated the supply and availability of stock · Monitored product displays · Effectively resolved difficulties · Extensively used Software (Microsoft Word/Excel, Spreadsheets and Database)

PROJECTS

- **Email tracking application for spam and ham messages - Message classification implemented with Naïve Bayes (Java)**
Trained and assessed my classifier for different train-test splits using Enron-Spam and Ling-Spam datasets. Achieved high accuracy (99% precision, 84% recall and 90% F1) and exported the results in a .txt automatically.

- **Bus Tracking mobile application in a multi-threaded Distributed Environment using Publish-Subscribe system design and message Brokers (Java, Android Studio)**
Programmed the mobile application to locate the buses that the user requests in real-time. Displayed latest timestamp, longitude and latitude on Google Maps using API key. Accomplished Concurrency, Performance & Scalability, Security, Fault-tolerance.

- **PPM Image processing and filtering (C++)**
The user enters filters and the image to be edited via command line. The program identifies and reads the image format to return a pointer to a newly allocated float array containing the image data. Implemented Negative, Gamma and Linear filters.

- **Retrieval of the k-closest documents using Elasticsearch and evaluation of the information retrieval system used (Java, Elasticsearch, Kibana, curl, trec_eval)**
  - Utilised the ES HTTP REST API and curl to upload the collection of documents.
  - Chose the English analyser along with the BM25 weighting scheme to index the collection.
  - Evaluated the results using metrics like MAP, interpolated recall and precision, and re-formulated queries to improve the IR system.

- **Implementation of the game Othello using MiniMax algorithm and heuristic evaluation with Alpha-Beta pruning to increase performance (Java)**
The project designs a Game Tree of possible moves depending on the user's selection of difficulty(depth). Each turn the AI evaluates and selects the move with the maximum winning potential by utilising the heuristic methods.

- **A Task (Todo) Web Application using Spring (Spring Security, Spring Boot, Spring MVC)**
The user, once authenticated, can add, update and delete Tasks. Each of these functions is handled by the appropriate Controller that instructs the Model accordingly. The application runs on embedded Tomcat server.

- **Creation and Maintenance of AristesCats Website - Maine Coon Cattery (Joomla, HTML, CSS, Javascript, Adobe Photoshop)**

- **Web Scraping script that sends an automatic Email Notification (Python)**
  - Extracted all e-shop products of the given URL along with prices and saved them into a .xlsx file using BeautifulSoup and other tools.
  - Sends e-mail notification automatically using SMTP once the price has dropped or dropped below a certain threshold.

- **Study on Mutation Testing as a Software Testing Method**
Introduction to the SDLC and the importance of Software Verification and Validation. Analysed Mutation Testing - history, types of mutation, advantages and disadvantages, improvements, and testing tools.