ELISAVET ELLI KOSTALIA

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EXPERIENCE

INFORMATION TECHNOLOGY INTERN
Jacobs Engineering Group Inc   *Jun 2021-Aug 2021*
Responsibilities:
- Drafted company's knowledge-based articles and technical work constructions for **documentation**
- Managed employee **account data and privileges** through **Active Directory**
- Engaged in Delivery Management processes and acquired **Data reporting insights**
- Collaborated with Infrastructure Delivery, Identity Governance, and Field Network Services teams on processes

GRADUATE RESEARCH ASSISTANT
Center of Assistive Research Technologies
Wright State University   *Aug 2019-Apr 2021*
Engineered the parsing and analysis of documents as part of the Automated Document and **Natural Language Processing** (NLP) using both heuristic approach and **Machine Learning**. Worked on **data modelling patterns** and data visualization with **Python** components and **logistic regression** on datasets.
Responsibilities included:
- Gathering of research data
- Analysis and Design of the system implementation
- Composition of technical documentation
- Delivery of professional handwritten reports and oral presentations

OPERATIONS MANAGEMENT ASSISTANT
Rhodes New Technologies   *Jul 2016-Jul 2019*
  Responsibilities included:
- System **Database Administration**
- Assist senior managers in financial management and reporting
- Customer-oriented service

PROJECTS

- Information Retrieval: Simple **Search Engine** and **Data Mining in Python**
- **Data parsing and analysis**: Recognition, Parsing, and Analysis of Mathematical Formulae in Documents using Python, MATLAB
- **Database Management** for Airline Database Information System with MySQL and Java Database Connectivity
- Parallelization of **Distributed Merge Sort Algorithm** using RPC in Python
- **Automatic testing of website** functionality using .NET framework in Selenium with C#

RESEARCH

- **Stream data** processing in the **cloud** for **real-time anomaly detection** doi.org/10.26233/heallink.tuc.82295 using Docker containers, Apache Storm, and Apache Kafka.
- Evaluation of methods for the **parsing** and **understanding** of mathematical formulas in technical documents. doi.org/10.1109/ICTAI50040.2020.00070
- Automatic Optical Detection, Data Analysis, Understanding and Reverse Engineering of Algorithmic components in Scientific Documents.

EDUCATION

- **MSc in Computer Science**
  Wright State University
  Dec 2021

- **BSc in Electrical and Computer Engineering**
  Technical University of Crete
  Jul 2019

SKILLS

Program. Languages: Python, C, SQL, Java, HTML, CSS
Databases: MySQL, Cassandra, PostgreSQL, Oracle
Virtualization: Docker, OpenStack
Data Analysis Tools: MS Excel, Tableau, PowerBI
Platforms: Linux, Windows
Languages: Fluent in Greek

CERTIFICATIONS

- **Microsoft Power BI** Desktop for **Business Intelligence**
- Advanced **SQL for Data Scientists**
- **Data Analytics** Essentials
- The Complete Oracle SQL Certification Course
- **Tableau** Essential Training (2020.1)

HONORS & AWARDS

Outstanding Service Award
Oct 2020 • BIBE Steering and Awards Committee
American Hellenic Educational Progressive Association Scholarship
Aug 2019, Jan 2021 • AHEPA 113 Charitable Fund
Full Tuition and Scholarship for MSc
Aug 2019 • Dr. Nikolaos Bourbakis