VAGGELIS CHANIOTAKIS

MSc. Software **|** Data Engineer

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Heraklion, Crete, Greece

SUMMARY

Highly motivated Software Engineer with working experience in the fields of information systems, research and development and data engineering, providing high-level support to multiple projects. Equipped with a theoretical and practical background in data management, big data analytics and mobile software development, I can contribute to real-world problems and give data-driven solutions.

EDUCATION

University of Crete, CSD

(MSc) Master in Computer Science and Engineering

Grade: **9**

Master Thesis:
A Scalable Data Science Platform, Based on Open Source Technologies with a Predictive Analytics Application for Acute Respiratory Distress Syndrome Disease

Technological Educational Institute of Crete

(BSc) Bachelor's Degree in Informatics Engineering

Grade: **7,5**

Thesis:
Development of Android Application for the management of purchases and sales

SKILLS

- Big Data Analytics
- Apache Spark, PySpark
- Python, SQL, Scala
- Data Manipulation
- Data Modeling/Storage
- Data Pipelines / ETL
- Flutter, Dart
- Azure cloud Learning
- Git, Github, Gitlab
- Linux, Windows

- MSc in Data Science and Scalable Data Analytics
- HTML, CSS, JavaScript, Vue.js, Java Learning
- Teaching (Professor's Assistant) C, C++ courses
- Strong analytical and problem solving skills
- Exceptional communication/interpersonal skills
- Ability to work independently and as part of a team
- Adaptable and able to work in a dynamic fast-paced work environment
- Strong organizational and time-management skills
- High level Hospitality Management skills
  - Management of reservations and social media
    - Booking.com, Airbnb.com, Vrbo.com, Google Business, LinkedIn, Instagram, Facebook, Mail, Busisness WhatsApp
  - Customer Support for guests
  - Developed and support the website of
    - https://www.eloundaholidays.com/

PROFESSIONAL EXPERIENCE

Business Administrator   09/2023 - 12/2023

Trade and Development Company

Software Engineer   02/2022 - 08/2023

Foundation for Research and Technology - Hellas (FORTH), Institute of Computer Science - Computational BioMedicine Laboratory

- Mobile software development for smart devices (Android, iOS)

- Participation in 3 European projects for Biomedical smart application development, data management and data analytics
  - ODIN (www.odin-smarthospitals.eu)
  - CARDIOCARE (www.cardiocare-project.eu)
  - TIMELY (www.timely-project.com)

Software | Data Engineer   11/2019 - 03/2021

Foundation for Research and Technology - Hellas (FORTH), Institute of Computer Science - Computational BioMedicine Laboratory

- Design and development of scalable data infrastructures for the efficient storage, management and predictive analytics of multimodal clinical data, in the context of Bio-Medical study and Laboratory support
  - In particular I designed and developed entirely a scalable platform for managing large volumes of data, based exclusively on open source technologies
  - Successfully published in the IEEE 34th International Conference on Computer-Based Medical Systems (https://ieeexplore.ieee.org/document/9474687)

- Prepared and presented scientific reports and presentations

Software Developer   07/2019 - 09/2019

Omnixell - Science and Technology Park of Crete (STEP-C)

- Web Development for cross-platform applications using Ionic 3 and Angular

Software Engineer Intern   10/2017 - 04/2018

Foundation for Research and Technology - Hellas (FORTH), Institute of Computer Science - Computational BioMedicine Laboratory

- Research and development in BioMedical scenarios
- Publication in the IEEE EMBS International Conference on Biomedical & Health Informatics, Las Vegas, NV, USA
  - https://ieeexplore.ieee.org/document/8333454

LANGUAGE SKILLS

- English (C2)
  - London Tests of English Level 5 (PROFICIENT COMMUNICATION)
    University of Westminster

PUBLICATIONS

International Conference Papers

- **Predictive Analytics Based on Open Source Technologies for Acute Respiratory Distress SyndromePredictive Analytics Based on Open Source Technologies for Acute Respiratory Distress Syndrome**
  - IEEE 34th International Symposium on Computer-Based Medical Systems (CBMS) · Jul 8, 2021
  - https://ieeexplore.ieee.org/document/9474687

- **Evaluation of Head Pose Features for Stress Detection and ClassificationEvaluation of Head Pose Features for Stress Detection and Classification**
  - IEEE EMBS International Conference on Biomedical & Health Informatics (BHI), Las Vegas, NV, USA · Mar 4, 2018
  - https://ieeexplore.ieee.org/document/8333454

SEMINARS AND CERTIFICATES

SEMINARS | CONFERENCES | CERTIFICATES

- Microsoft Certificate at Career Essentials in Data Analysis (Microsoft and LinkedIn), 2024
- Big Data Analytics with Hadoop and Apache Spark (LinkedIn Learning), 2024
- Data Engineering | Azure | Google Cloud Platform | Apache Kafka Learning | Python for Data Engineering (LinkedIn), 2024
- IEEE 34th International Symposium on Computer-Based Medical Systems (CBMS) · Jul 8, 2021
- Certificate of Continuing Education Completion in CompTIA Linux+ (CYBRARY.IT), 2017
- Certificate of Continuing Education Completion in Secure Coding (CYBRARY.IT), 2017
- Certificate of Continuing Education Completion in Project Management Professional (PMP) (CYBRARY.IT), 2017
- Certificate of Continuing Education Completion in Office 365 Web Content Management (CYBRARY.IT), 2017
- Devstaff (The Developers Community Gathering in Crete) Thematic speeches: Unit Testing, Mobile Development, Secure Development, Business & StartUps, Dessign Patterns, NoSQL, Building scalable apps and working with large scale systems, CMS, TOR, Remote Working etc. (FORTH 2015 – 2019)

HONORS AND AWARDS

Master of Science Scholarship

- Issued by **Foundation for Research and Technology - Hellas (FORTH) - Institute of Computer Science (ICS)**
  - November 2019

MILITARY SERVICE

Greek Army - Airborne Army Forces   03/2021 - 12/2021

- Command Office Assistant (IT Services)

- Management of money transactions