EVANGELIA BALINI

BIOINFORMATICS SCIENTIST

PROFILE

I studied Computer Science and Biomedical Informatics in Greece, and shortly after graduating I moved to Belgium. After two years of working, I started an Advanced Master in Artificial Intelligence.

I am mainly interested in software development, machine learning, AI ethics, as well as in biology, thus my master thesis was on Artificial Neural Networks on genomic data.

I am currently an Associate Bioinformatics Scientist at BioLizard.

CORE SKILLS:

- Python (Numpy, Pandas, scikit-learn, Tensorflow, Keras, OpenCV)
- Data visualization (Streamlit, Plotly, Pyplot, Seaborn)
- Web development (JavaScript, TypeScript, Angular, HTML, CSS, Bootstrap)
- Node.js
- MySQL
- Matlab
- Java
- Bamboo
- Version Control: Git

LANGUAGES

- English: Full professional proficiency
  IELTS Certificate (March 2020)
      Grade: 8/9
- French: Limited working proficiency (B1)
- Greek: Native proficiency (Mother tongue)

CONTACT INFO:

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EMPLOYMENT BACKGROUND

Associate Bioinformatics Scientist
BioLizard (October 2021 - Present)
- Data analysis on various types of biological data
- Data visualisation
- Feature selection
- Machine learning (Python)
- Software and pipeline development
- Biomarker discovery

Angular Support Engineer
European Commission (Jul 2019 - Sep 2020) - On behalf of Akka Technologies
- Providing support to developers using the eUI (https://eui.ecdevops.eu/) frontend framework of the European Commission (Angular)
- Code debugging, testing and troubleshooting (Angular, TypeScript, JavaScript, Protractor, HTML, CSS)
- DevOps plan creation (Bamboo)
- Managing repositories and access rights (Bitbucket, GitLab, Butler)
- Monitoring microservices (Grafana, Kibana)
Other skills: Jira, Git Bash, Amazon Workspaces

Software Developer
AKKA Belgium (Sept. 2018 - Jun 2019) - The AKKAdemy Graduate Programme
- Developed software and tools for internal usage for AKKA Research:
- Chatbot creation (Google Dialogflow)
- Image Recognition Application for drones - contribution (Python, OpenCV, NumPy, Pandas).
- Created a web app which visualises folder access rights and its members/groups with the import of an excel (.csv) file (JavaScript, HTML, CSS, Bootstrap, Electron)

ACADEMIC EDUCATION

KU Leuven
Advanced Master (MSc) in Artificial Intelligence | 2020-2021
- Engineering in Computer Science Option
- Courses include Fundamentals of AI, Machine Learning, Artificial Neural Networks and Deep Learning, Privacy in Big Data, Bioinformatics, Computer Vision, AI Ethics and Regulation
- Thesis: OncoAI: Applications of Deep Learning for gene regulatory network prediction (Tensorflow/Keras)
  Laboratory of Computational Biology - AertsLab

University of Thessaly
BSc in Computer Science and Biomedical Informatics | 2013-2018
- Modules Included: Computer Science Fundamentals, Programming Courses, Mathematics, courses on biomedical sciences
- Completed a number of academic projects on subjects like Cryptography, Biomedical Image Analysis and Bioinformatics

OTHER EDUCATION

The University of Sheffied
Summer School in Digital Health | July 2015 - August 2015, Sheffield, UK
- Acquired knowledge on Digital Health, Health applications, Diagnostic Applications, Entrepreneurship, Innovation, Business Planning and pitching
- Worked on a hands-on digital health group project (MicroView) which was awarded as one of the top 3 of the academy and qualified for a bootcamp, where it won the 2nd prize

The University of Sheffield (City College, the International Faculty of University of Sheffield)
Summer School in Digital Transportation - July 2016, Thessaloniki, Greece
- Acquired knowledge on Digital Transportation
- Extended knowledge on Entrepreneurship and Innovation
- Worked on and lead a business project (Drone-Aid)
- Drone-Aid ranked 8th in the NASA Europa World Wind Competition (2016)

PROJECTS

- Computer Vision Projects (Video processing with OpenCV, Face feature extraction and face classification, Semantic Segmentation)
- Biometrics Projects (with Python)
    - Biometrics Systems evaluation
    - Development of a full fingerprint and iris recognition pipeline
    - Face recognition
- Privacy Impact Assessment (October 2020 - January 2021)
    Group project on PIA for the mobile application of a Belgian bank
- Personal Project (April - May 2020)
    Developed a software which organises food orders (Python)
- Tweets Classification with Weka (January 2016)
    Classifying tweets as spam, not spam, unknown.

ADDITIONAL TRAININGS – CERTIFICATIONS

- Python Fundamentals Track (DataCamp)
- Automate the boring stuff with Python (Udemy)
- Python Object Oriented Programming: Four pillars of OOP in Python 3 for Beginners (Udemy)
- Functional Programming and lamda expressions with JavaScript (Udemy)
- Master Object Oriented Design in Java (Udemy)
- Angular - The Complete Guide (Udemy - in progress)
- Project Management Training (AKKA Belgium - 2018)
- Git Training (AKKA Belgium - 2020)

VOLUNTEERING EXPERIENCE

- Chairwoman - IEEE University of Thessaly (Lamia) Student Branch (Dec 2016- Dec 2017)
    Duties included board coordination, content creation and social media management, organization and promotion of events (speakers, sponsors etc), coordination of volunteering actions, representation in national and European IEEE events
- Volunteer - Teacher In Service Programme (TISP) of IEEE (May 2017)
    Duties included designing, testing and delivering educational material on the fundamentals of physics and engineering to Junior High Students
- Office volunteer - Lamia Night Run 2017 (April 2017)
    Duties included handing out t-shirts, keeping track of the number of participants. Also participated as a runner to the race.
- Basic Life Support (BLS) - Certified by the European Resuscitation Council (ERC) (October 2016)