Michail-Panagiotis Bofos

Researcher and Full Stack Software Engineer

mbofos01 | michail-panagiotis-bofos | mbofos@outlook.com | (+357)97887212

Education

UNIVERSITY OF CYPRUS | Bachelor's in Computer Science
2018 - 2022 | Nicosia, CY

- → 240 ECTs program
- → Graduated with GPA: 8.38 / 10

Working Experience

COGNITIVE UX GMBH | Software Engineer & Researcher
July 2022 – Current | Heidelberg, Germany

- → Front-end development with HTML5, JavaScript and CSS3
- → Back-end development with on Django framework & Postgres
- → Server-Client communication with AJAX
- → Development & Documentation of API with Swagger and Postman
- → DevOps basics with Docker and Docker Compose
- → Version control with Git/GitHub
- → Virtual Reality development with A-Frame
- → Organizing and planning using Notion
- → Keeping meeting minutes in technical and virtual meetings
- → Demoing and presenting developed platforms in meetings and multiplier events

Work Projects

ERASMUS+ 2021 CREAMS | 2021-1-EL01-KA220-HED-000027597
2022 – Current

- → Designed and implemented a Web Framework and open-source tools
- → Lead development and integration activities
- → Preparation of deliverables
- → Presentation of platform

ERASMUS+ 2020 TRUSTID | 2020-1-EL01-KA226-HE-094869
2022 – Current

- → Testing and advising regarding systems programming and machine learning

Information

Address: Aglantzia, Cyprus

Nationality: Greek

Birthday: 22th of July 2000

Relevant Courses

Object-Oriented Programming
Data Structures and Algorithms
Adv. Software Engineering
Systems Security
Human-Computer Interaction
Machine Learning
Web Technologies
Linear Algebra
Calculus I & II

Skills

PROGRAMMING

Proficient:
Java • C • JavaScript • Python
SQL • CSS • HTML • Bash

Experienced:
C++ • CUDA • PHP

Familiar:
LaTeX • C# • Powershell • Batch
Assembly • Mermaid

LIBRARIES/FRAMEWORKS

Django • A-Frame • Keras
Pandas • Matplotlib • Pthreads
Google Maps API • OpenSSL
Metronic • HyperLedger Fabric
Java Swing

TOOLS/PLATFORMS

Git/GitHub • Docker • Linux
Notion • Postman • Wireshark
Proto.io • Balsamiq • VM Ware

LANGUAGES

English (Proficient) • Greek
(Native) • French (Basic)

Projects as a Student

WEATHER FORECAST SITE | HTML, Javascript, CSS/Bootstrap and PHP

→ Web Development course project
→ Main goal: Host a page that fetches data from other servers
→ HTML5 and Bootstrap for front-end
→ PHP and SQL for back-end
→ Utilized OpenWeatherMap and CountriesShow APIs

MENTAL HEALTH MANAGEMENT SYSTEM | Java, Java Swing and SQL

→ Advanced Software Engineering course project
→ Main goal: Create a patient management system for mental health facilities
→ Used waterfall model
→ Prototyping with Balsamiq
→ Client-Server architecture with multiple Java clients and a Java server
→ Database development with SQL
→ Clients communicated with the server with JSON requests and responses
→ Graphical User Interface with the Java Swing library

POP3 SERVER | C. Pthreads

→ Systems Programming course project
→ Main goal: Implement and expand the POP3 mailing protocol (RFC 1939)
→ Multithreaded server written in C and Pthreads with socket communication

SOCIAL FACE | Java, Java Swing and SQL

→ Databases course project
→ Main goal: Create a social media mock up
→ Used Java for Server and SQL for database
→ Used Java Swing library for Graphical User Interface

VARIOUS MACHINE LEARNING NETWORKS | Java and Python

→ **Back Propagation Python**
→ **Back Propagation Java**
→ **Radial Basis Function Java**
→ **Kohonen Map Java**

PHYSIBLE | Python, PySimpleGUI and Matplotlib

→ Personal project
→ Main goal: Visualize functions from physics
→ Used PySimpleGUI for Graphical User Interface and Matplotlib for plots

Thesis Project

NATURAL GAS DEMAND PREDICTION SYSTEM USING ADVANCED RECURSIVE NEURAL NETWORKS (LSTM & GRU) | Python, Tensorflow and Keras

2022

→ Created a system that makes an hourly natural gas demand prediction
→ Used Long-Short Term Memory and Gated Recurrent Units Networks
→ Predictions made using meteorological data
→ Used Pandas for data manipulation, Keras for the neural network implementation and Matplotlib for plots

References

Chris Christodoulou
Professor and Department Vice-Chair, University of Cyprus

✉ cchrist@ucy.ac.cy
📞 (+357) 22892752

Marios Belk
CEO of Cognitive UX GmbH, Visiting Lecturer, University of Cyprus

✉ belk@cognitiveux.com
📞 (+357) 99753621

Miscellaneous

HIGHSCHOOL | GPA: 19.22 / 20
2015 - 2018

• Studies focused around applied sciences

• Studied advanced Physics, Mathematics, Computer Science and Chemistry

SOFT SKILLS

• Presentation skills

• Leadership and Responsibility

• Communication