John Zobolas

I have a diverse background, from mathematics and computer science, to **software engineering** and **modeling**. My strongest quality is careful, analytical thinking. I like writing **clean** and **test-driven software** that enables technological applications, as well as **analyzing and visualizing data** to facilitate understanding of biological processes.

I spend my free time playing the piano, juggling or reading books.

🎓 Education

2021 | 2017

Norwegian University of Science and Technology (NTNU)
PhD in Medical Technology / Computational Biology
📍 Trondheim, Norway

Thesis: *Software implementations allowing new approaches toward data analysis, modeling and curation of biological knowledge for Systems Medicine* [GitBook link ○] [Defence video ▶] [Results] [Diploma]

2015 | 2013

Athens University of Economics and Business (AUEB)
MSc in Computer Science
📍 Athens, Greece

Thesis: *SkyLighting Web Application with three.js* [GitHub link ○]
Diploma grade: **9.4/10** [Diploma] [Transcript]

2013 | 2007

National Technical University of Athens (NTUA)
M.Eng in Electrical and Computer Engineering
📍 Athens, Greece

Thesis: *Optimal Power Allocation in the uplink of Two-Tier Wireless Femtocell Networks* [GitHub link ○]
Diploma grade: **8.4/10** [Diploma] [Transcript]

💼 Professional Experience

April 2021 | Jan 2021

Internship in Molecular AI group
AstraZeneca
📍 Gothenburg, Sweden

- Funded by the Digital Life Norway Industry Program
- Predicting bioactivity data using Bayesian Matrix Factorization
- Target clustering and validation for phenotypic screens

July 2018

Research stay in Molecular Interactions Team
European Bioinformatics Institute
📍 Hinxton, England

- Funded by the COST action "Gene Regulation Ensemble Effort for the Knowledge Commons" (GREEKC)
- Extending the PSICQUIC Java-based Web service platform to include causality information of molecular interactions

Contact Info

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Ⓢ bblodfon
Google Scholar
ResearchGate
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📞 +30 6936586236

Skills

Ⓡ R
📊 tidyverse
JS Javascript
HTML
CSS
Java
Python
MariaDB
Git

2015
|
2013

Linux Systems Engineer and Database Performance Tester
Commsquare   📍 Athens, Greece

• Administration/Monitoring of Linux servers & Databases
• Database Performance tuning (optimizing queries, insertion speed)
• Costumer support / Troubleshooting

📖 Selected Publications

2021

Logical modeling: Combining manual curation and automated parameterization to predict drug synergies
bioRxiv - Preprint

Boolean function metrics can assist modelers to check and choose logical rules
arXiv - Preprint

***CausalBuilder*: bringing the MI2CAST causal interaction annotation standard to the curator**
Database

2020

***UniBioDicts*: Unified access to biological dictionaries**
Bioinformatics

***emba*: R package for analysis and visualization of biomarkers in boolean model ensembles**
Journal of Open Source Software

2019

CausalTAB: the PSI-MITAB 2.8 updated format for signalling data representation and dissemination
Bioinformatics

📖 Books

2021

***8 Rules to write a PhD Thesis*: A PhD Thesis Rulebook**
Online GitBook ⭕

🏅 Awards/Scholarships

2013

Program *Study with Scholarship*, EqualSociety
Scholarship for the MSc in Computer Science (AUEB)

2007

Program *Great Moment for Education*, Eurobank
Award for the highest grade in the Panhellenic examinations

🚶 Recreational Activities

Playing piano ▶️ 🎵
I have a YouTube channel in which I upload piano music!

Juggling ◎
Check out my Instagram account for videos with juggling tricks!

Fitness 🏋️