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** [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** [Diploma] [Transcript]

💼 Professional Experience

2021

Internship in Molecular AI group (3 months)
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

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
• Software testing

⬇ Download this resume in PDF.

Contact Info

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🐙 github.com/bblodfon
Ⓢ bblodfon
𝔊 Google Scholar
R² ResearchGate
📞 +47 96808973
📞 +30 6936586236

Skills

Ⓡ R

tidyverse

Javascript

HTML

CSS

Java

Python

MariaDB

Git

📖 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** 🏋