

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.

Download this resume in [PDF](#).



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

April 2021
|
January

- **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

✉ bblodfon@gmail.com

🐙 github.com/bblodfon

💰 [bblodfon](#)

🔗 [Google Scholar](#)

🔍 [ResearchGate](#)

☎ +47 96808973

☎ +30 6936586236

Skills

📊 R

📊 tidyverse

📖 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)
 - Customer 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** 