

John Zobolas

My main background is in computer science, with diverse expertise in computational modeling, software engineering and statistical/machine learning. Being **an engineer at heart**, my strongest quality is careful, analytical thinking.

A productive workday consists of writing **clean, test-driven software** and producing **explainable data visualizations** to drive my research.

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: **9.4/10** [\[Diploma\]](#) [\[Transcript\]](#)

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

- 2024
|
Jan 2022
- **Postdoctoral Researcher in Clinical AI**
Oslo University Hospital
Oslo, Norway
 - **Project:** PANCAIM - pancreatic cancer AI for genomics and personalized medicine [\[website\]](#)
 - Benchmarking survival ML models using multi-omics data

April 2021
|
Jan 2021



 - **Internship in Molecular AI group**
AstraZeneca
Gothenburg, Sweden
 - **Project:** Predicting bioactivity data using Matrix Factorization methods for target-based clustering and validation

Contact Info

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[bblodfon](#)
[Google Scholar](#)
[ResearchGate](#)
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Skills

R
tidyverse
mlr3
Javascript
HTML/CSS
Java
Python
MariaDB
Git

- July 2018 • **Research stay in Molecular Interactions Team**
 European Bioinformatics Institute  Hinxton, England
 - **Project:** Extending the PSICQUIC Java-based Web service platform to include causality information of molecular interactions
- 2015
|
2013 • **Linux Systems Engineer and Database Performance Tester**
 Commsquare  Athens, Greece
 - Linux admin/support/database performance tuning





Teaching

- Nov 2022 • **Machine Learning course for Cancer Researchers**
 I gave 4 lectures on the following topics:  Oslo, Norway
 - Classification trees and model ensembles [\[slides\]](#)
 - Support Vector Machines [\[slides\]](#)
 - Neural Networks [\[slides\]](#)
 - Benchmark various ML methods on the spam dataset [\[GitBook link\]](#) 



Selected Talks

- Oct 2022 • **AI pitch: An example ML survival workflow**
 Presented at the 8th Annual NORBIS conference [\[slides\]](#)
 Rosendal, Norway
- Aug 2022 • **Reproducible Science**
 Part of the Logical modeling course BI8040 (NTNU) [\[slides\]](#)
 Trondheim, Norway




Selected Publications

- 2022 • **Boolean function metrics can assist modelers to check and choose logical rules**
[Journal of Theoretical Biology](#)
- 2021 • **CausalBuilder: bringing the MI2CAST causal interaction annotation standard to the curator**
[Database](#)
- 2020 • **UniBioDicts: Unified access to biological dictionaries**
[Bioinformatics](#)
- 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** 