

EDUCATION	Department of Computer Science, University of Pisa <i>Ph.D. in Computer Science</i> • Advisor: Prof. Paolo Milazzo • Research area: Computational biology	Pisa, Italy 2022 - present
	Department of Computer Science, University of Pisa <i>MSc in Computer Science</i> • Final grade: 110/110 cum laude	Pisa, Italy 2019 - 2022
	Vietnam National University <i>BSc in Computer Science</i> • Final grade: 3.09/4.0	Hanoi, Vietnam 2015 - 2019
PUBLICATIONS	<ol style="list-style-type: none"> 1. Giang Pham, Paolo Milazzo. Gene importance assessment based on shapley value for boolean networks: Validation and scalability analysis, in: Proc. of 12th Int. Symposium “From Data to Models and back (DataMod 2024)”, Lecture Notes in Computer Science, Springer, in press. 2. Giang Pham, Paolo Milazzo. Preliminary results on Shapley value notions and propagation methods for boolean networks, in: Proc. of 11th Int. Symposium “From Data to Models and back (DataMod 2023)”, Lecture Notes in Computer Science, Springer, in press. 	
PROJECTS	MEDICA: Modelling and vErification of alkaptonuria and multiple sclerosis Driven by biomedical data, 2022RNTYWZ <i>University of Pisa</i>	2023 - present
	PAN-HUB: Hub multidisciplinare e interregionale di ricerca e sperimentazione clinica per il contrasto alle pandemie ed all’antibiotico resistenza, CUP: I53C22001300001 <i>University of Pisa</i>	2023 - present
	ProMI: A computational workflow for assessing the impact of amino acid mutations on protein-ligand affinity using AlphaFold2 and MD simulation <i>University of Pisa</i>	2022.01 - 2022.10
PRESENTATIONS AND CONFERENCES	Towards a Shapley value propagation method for Boolean networks <i>The 22nd International Conference on Computational Methods in Systems Biology, Pisa, Italy</i> 2024.09 Towards a Shapley value propagation method for Boolean networks <i>The 11th International Symposium DATAMOD 2023 From Data to Models and back, Eindhoven, Netherlands</i> 2023.11 Computational estimation of the impact of amino acid mutations on protein-ligand affinity based on Alphafold and MD simulation <i>The 18th Conference on Computational Intelligence Methods for Bioinformatics & Bio-statistics, Padova, Italy</i> 2023.09	
CONFERENCE ORGANIZA- TION	Organizing committee: The 22nd International Conference on Computational Methods in Systems Biology 2024.09	

EXPERIENCES	Viettel Research and Development Institute Computer Vision Engineer Hanoi, Vietnam	2015.09 - 2019.09
	<ul style="list-style-type: none"> Indoor surveillance system (2018.03 - 2019.09) <ul style="list-style-type: none"> Finetuned and customized SSD model for human detection. Developed face classification module using Haar Cascade to detect faces, VGG model to extract features and SVM to classify face features in Python and used Cython to provide C++ interface for this module. Tracked multiple objects by associating detected objects with tracked objects by using Kalman to predict and the Hungarian algorithm to associate. Outdoor surveillance system (2017.02 - 2017.07) <ul style="list-style-type: none"> Implemented and optimized Kernelized Correlation Filter tracking algorithm to integrate in DSP chip. Constructed panorama image from pan tilt zoom camera using Optical Flow. 	
	Gameloft Han Studio Game developer intern Hanoi, Vietnam	2014.06 - 2014.08
	<ul style="list-style-type: none"> Developed rendering platform using OpenGL ES and OpenGL SL. Created a 2D endless running game. 	
AWARDS	• Scholarships for deserving students, University of Pisa	2019
	• Best Young Employees, Viettel Research and Development Institute	2018
	• Scholarship of Hessian Ministry for Science and the Arts	2012 - 2014
SKILLS	Languages: Vietnamese, English, Chinese. Programming: Python, C++	