

Mariaclaudia Nicolai

Pharmacy student and passionate about technology



Personal info:

Contacts

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Publication indexes

<https://Google Scholar>

Languages

Italian: Native speaker
English: Good

About

I am an Italian pharmacy student with knowledge in both chemistry and biology. I built my pharmaceutical background by studying at the University of Salerno. After the curricular internship in the pharmacy, I started working on my experimental thesis. I focused on the identification of a novel antimicrobial peptide activity model using machine learning algorithms. Meanwhile, I collaborated with TU Delft for a research project. Finally, to express the passion for technology, I co-founded the LPSystems B.V., a company specialized in designing embedded devices.

Highlights

09.2013	MSc. in Pharmacy	<i>University of Salerno</i> <i>Italy</i>
present	Thesis subject: Identification of a novel antimicrobial peptide activity model by machine learning and its use to build new peptide sequences	
07.2018	Visiting (research)	<i>TU Delft</i> <i>The Netherlands</i>
05.2019	Research subject: Role of users' feedback on healthcare mobile Android apps	
05.2018	Internship (curricular)	<i>Farmacia Dr. Italiano</i> <i>Italy</i>
11.2018	Internship subject: Ethical and deontological aspects of the profession of pharmacist and applications of the notions acquired during the study	
2015	Collaboration (work)	<i>Bruitparif</i> <i>France</i>
2016	Work subject: Manual handling of precision electronic tools	

Education

2013-present	Master degree in Pharmacy (31 of 32 exams)
<i>Organization</i>	University of Salerno, Italy
<i>Thesis</i>	"Identification of a novel antimicrobial peptide activity model by machine learning"
<i>Tutor</i>	Prof. Dr. Stefano Piotto

Grants

2015-2016	Scholarship
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Internship

05.2018-11.2018	Internship (curricular)	
	Farmacia Dr.Ugo Italiano s.a.s.	Benevento, Italy
<i>Tutor</i>	Dr. Stefano Italiano	

Scientific research

<i>Workshop WAMA 2019</i>	"Healthcare Android Apps: A Tale of the Customers' Perspective" In Proceedings of 3rd International Workshop on App Market Analytics	
<i>Presented at</i>	ACM Joint European Software Engineering Conference	Tallinn, Estonia

Work experience

2015-2016	Collaboration	
	Bruitparif	Paris, France
<i>Company details</i>	Bruitparif is a non-profit environmental organization responsible for monitoring the environmental noise in the Paris agglomeration	
<i>Contribution</i>	Testing of electronic devices, handling precision electronic tools	
2019-present	Co-founder	
	LPSystems	Amsterdam, The Netherlands
<i>Company details</i>	LPSystems B.V. designs low-cost professional audio broadcasting equipment	

Acquired skills

Software skills

Languages	Python, HTML
Tools	GMDH, YASARA, KNIME, LaTeX, Git, PyCharm

Lab skills

Lab techniques	Conducting and supporting scientific investigations and experiments Planning, setting up and undertaking controlled experiments and trials Recording and analyzing data, demonstrating procedures Presenting results to senior staff Writing reports, reviews, and summaries Good teamwork skills
Equipment	Safety goggles and safety equipment Beakers, flasks, funnels, graduated cylinders, droppers, pipettes, thermometers, Bunsen burners, balances