Chrysanthi Kosyfaki

Personal Data

Place and Date of Birth:	Athens, Greece | 3 May 1995
Address:	Spyrou Lamprou 7, Ioannina Greece
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Education

February 2019 - April 2023	**Ph.D in Computer Science**, University of Ioannina Thesis: "Flow Analytics in Large Graphs" Advisor: Prof. Nikos Mamoulis Advisory Commitee: Profs. Nikos Mamoulis, Evaggelia Pitoura, Panayiotis Tsaparas
October 2017 - February 2019	**M.Sc in Computer Science**, University of Ioannina Thesis: "Flow Motifs in Interaction Networks" Advisor: Prof. Nikos Mamoulis GPA: 8,49/10
September 2013 - June 2017	**B.Sc in Computer Science**, Ionian University Thesis: "Sentiment Analysis in Online Social Networks" Advisor: Prof. Phivos Mylonas GPA: 7,07/10

Work Experience

June 2022 - October 2022	**The University of Hong Kong, CS Department** Thesis: Researcher Assistant
October 2020 - May 2022	**Smart City Bus Project, University of Ioannina** Thesis: Software Developer
April 2020 - September 2020	**ProximIoT Project, University of Ioannina** Thesis: Software Developer
August 2019 - September 2019	**The University of Hong Kong, CS Department** Thesis: Researcher Assistant
March 2019 - July 2019	**Seek and Go Project, University of Ioannina** Position: Software Developer
September 2018 - December 2018	**The University of Hong Kong, CS Department** Position: Researcher Assistant

Information about projects

ProximIoT: The objective of the Proximiot project is the design and development of an IoT platform for proximity marketing. The platform collects information about the positions of customers in a department store in real time and processes it in relation to historical information to perform targeted interaction in real time through automatic sending of personalized promotional messages and information about the products in the vicinity of the customer. In this project, I was in charge of collecting, preprocessing and analyzing real-time IoT data in order to provide accurate promotions, recommendations and product information to customers.

Smart City Bus: The objective of the SmartCityBus project is the development of a platform for an urban bus company in Greece. The platform serves passenger transportation needs by providing accurate route information and bus arrival estimates. At the same time it provides accurate figures to the bus company about the current passenger load of the buses and helps the company to redesign its routes and schedules and optimize the use of its fleet. In this project, I was in charge of developing a route data analysis tool, which can be used to estimate in real time the bus arrival times at different stops, considering real-time information and historical data.

Teaching Experience

Fall 2017:	Introduction to Programming
Spring 2018:	Object Oriented Programming
Spring 2019:	Complex Data Management
Fall 2019:	Introduction to Programming
Spring 2020:	Complex Data Management
Fall 2020:	Introduction to Programming
Spring 2021:	Complex Data Management
Fall 2021:	Introduction to Programming
Fall 2022:	Introduction to Programming
Spring 2023:	Complex Data Management

Skills

Programming Skills	Programming Languages: C, Java, Python
	Environments: MATLAB, Octave
	Operating Systems: Windows, Linux, MacOS

Academic Service

Reviewer:	PAKDD (2022-2023), VLDB (2024), VLDBJ 2024, TKDE 2024
External Reviewer:	ICDE (2023), EDBT(2018-2020), KDD(2019), VLDB(2019-2023)
	ICDE(2019-2021), SIGMOD(2021-2023)
Student Volunteer:	VLDB (2020), EDBT (2023)

Awards

Christine Collet EDBT/ICDT Student Participation Award 2019

Languages

Greek:	Mothertongue
English:	Fluent

Research Interests

Temporal Data Analytics, Data Management, Temporal Graph Analysis, Flow Analytics in Graph and Networks, Continuous Queries

Publications

1. G.Bouloukakis, C.Zeginis, N.Papadakis, K.Magoutis, G.Christodoulou, C.Kosyfaki, K.Lampropoulos, N.Mamoulis "SmartCityBus - A Platform for Smart Transportation Systems," WSDM 2023, *Singapore* (*poster contribution*)

2. C.Kosyfaki, N.Mamoulis, R.Cheng, B.Kao: "Spatio-temporal flow patterns," *under submission*

3. C. Kosyfaki, N. Mamoulis: "Provenance in Temporal Interaction Networks," ICDE 2022, *Kuala Lumpur, Malaysia*

4. C. Kosyfaki: "Flow Provenance in Temporal Interaction Networks," SIGMOD 2021, *Xi'an, Shaanxi* (*short paper*)

5. C. Kosyfaki, N. Mamoulis, E. Pitoura, P. Tsaparas: "Flow Computation in Temporal Interaction Networks," ICDE 2021, *Chania Greece*

6. C. Kosyfaki, N. Mamoulis, E. Pitoura, P. Tsaparas: "Flow Motifs in Interaction Networks," EDBT 2019, *Lisbon Portugal*

7. C. Kosyfaki: "Flow Motifs in Complex Networks," HDMS 2018, *Larnaca Cyprus* (*poster contribution*)