

# Christina Christodoulakis

Ph.D. Student and Research Assistant  
Database Group  
Department of Computer Science  
University of Toronto, Canada

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## Education

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- **Ph.D.**, Computer Science, underway since January 2015.  
Department of Computer Science (DCS), University of Toronto, Canada  
Advisor: Professor Renée J. Miller.
- **Master of Science**, Computer Science, completed January 2015.  
Department of Computer Science (DCS), University of Toronto, Canada  
Advisors: Professor Renée J. Miller and Professor John Mylopoulos.  
Thesis title: A Survey of Recommendation Approaches and New Applications of Recommendations to Data Science.
- **Honors Engineering Degree** (equivalent to M.Sc.), Electronic and Computer Engineering (5-year program) completed August 2012.  
School of Electronic and Computer Engineering (ECE), Technical University of Crete, Greece.  
Thesis supervisor: Professor Antonios Deligiannakis.  
Thesis title: A Rich Media Mobile Web Application for Visitors and the Community of the Technical University of Crete.

## Internship Experience

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- **Research Intern at IBM Almaden Research Center**, Collaborative Discovery Group, October 5th 2015 - December 18th 2015. Manager: Mary Roth; Mentor: Eser Kandogan, PhD.
- **Research Intern at IBM Almaden Research Center**, Collaborative Discovery Group, May 4th 2015 - July 31st 2015. Manager: Mary Roth; Mentor: Eser Kandogan, PhD.  
Project title: Query Recommendations for Watson Analytics.
- **Research Intern at IBM Almaden Research Center**, Collaborative Discovery Group, May 19th 2014 - August 22nd 2014. Manager: Mary Roth; Mentor: Eser Kandogan, PhD.  
Project title: Asset Discovery for Collaborative Analytics in LabBook.

## Publications

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- C. Christodoulakis, E. Kandogan, I. Terrizzano, R. J. Miller, VIQS: Visual Interactive Exploration of Query Semantics, *Full paper*, ACM ESIDA 2017
- E. Kandogan, M. Roth, P. Schwarz, J. Hui, I. Terrizzano, C. Christodoulakis, R. J. Miller, LabBook: Metadata-driven Social Collaborative Data Analysis, *Full paper*, IEEE BigData 2015.
- B. Ghadiri, C. Christodoulakis, S. H. Yeganeh, O. Hassanzadeh, R. J. Miller, K. Lyons, VizCurator: Curating Five-Star Open Data, *Demo paper*, in the 24th International World Wide Web Conference (WWW), 2015.
- C. Christodoulakis, C. Faloutsos, R. J. Miller, VoidWiz: Resolving Incompleteness Using Network Effects, *Demo paper*, in Proceedings of the 30th IEEE International Conference on Data Engineering

(ICDE), Chicago, 2014.

- C. Christodoulakis, A Survey of Recommendation Approaches and New Applications of Recommendations to Data Science, *Master of Science Thesis*, Department of Computer Science, University of Toronto, Canada, Jan. 2015.
- C. Christodoulakis, A Rich Media Mobile Web Application for Visitors and the Community of the Technical University of Crete, *Honors Engineering Degree Thesis*, School of Electronic and Computer Engineering, Technical University of Crete, Greece, Aug. 2012.

## Honors, Awards, Distinctions

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- Alexander Graham Bell Canada NSERC CGS D Scholarship (2016-2018).
- Ontario Graduate Scholarship (OGS) for 2014-2015.
- Guaranteed full Ph.D. funding from Department of Computer Science, University of Toronto.
- Guaranteed full M.Sc. funding from Department of Computer Science, University of Toronto.
- Service Distinction Award 2016 for outstanding engagement in graduate student recruitment, University of Toronto, Department of Computer Science
- Performance Fellowship Award. Technical University of Crete, 2008-2009.

## Academic Experience

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- **Research Assistant** (Aug. 2012 - now), Database Group, Department of Computer Science, University of Toronto.
- **Teaching Assistant** (Jan. 2015 - May 2015), CSC318 Design of Interactive Computational Media, instructed by Velian Pandeliev, Department of Computer Science, UofT.
- **Teaching Assistant** (Jan. 2014 - May 2014), CCT374 Technologies of Knowledge Media, instructed by Professor Kelly Lyons, Department of Computer Science/Institute of Communication, Culture and Information Technology, UofT.
- **Teaching Assistant** (Jan. 2014 - May 2014), CSC343 Introduction to Databases, instructed by Manos Papagelis, Department of Computer Science, UofT.
- **Teaching Assistant** (Aug. 2013 - Dec. 2013), CSC318 Design of Interactive Computational Media, instructed by Dr. Olivier St-Cyr, Department of Computer Science, UofT.
- **Teaching Assistant** (Jan. 2013 - May 2013), CSC318 Design of Interactive Computational Media, instructed by Professor Khai Truong, Department of Computer Science, UofT.
- **Teaching Assistant** (Aug. 2012 - Dec. 2012), CSC207 Software Design, instructed by Diane Horton, Department of Computer Science, UofT.

## Service

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- **Program Committee Member** The 7th International Conference on Social Media Technologies, Communication, and Informatics, SOTICS 2017.

- **Program Committee Member** The 7th International Conference on Advanced Collaborative Networks, Systems and Applications, COLLA 2017.
- **Reviewer** 6th ACM Symposium on Cloud Computing, SoCC 2015.
- **Reviewer** 41st International Conference on Very Large Data Bases, VLDB 2015.
- **Reviewer** 23rd European Conference on Information Systems, ECIS 2015.
- **Web Chair** 2nd Workshop on Communication and Networking Techniques for Contemporary Video, IEEE INFOCOM 2015.
- **Volunteer Web Developer** for the VLDB 2013 conference.
- **Grad Student Recruitment, Lead volunteer** UofT DCS Grad Visit Day 2017
- **Grad Student Recruitment, Lead volunteer** UofT DCS Grad Visit Day 2016
- **Student panelist** UofT DCS graduate skills seminar 2015 (invited)
- **Student panelist** UofT DCS incoming graduate students 2015 (invited)

## Selected Graduate and Cross-listed Courses

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- **Graduate courses from DCS, University of Toronto**  
Research Topics in Software Engineering; Research Topics in Interactive Computing; Research Topics in Database Systems; Introduction to Machine Learning; Natural Language Computing; Human-Computer Interaction; Internet of Things (semester seminar).
- **Cross-listed courses from ECE, Technical University of Crete**  
Web Application Engineering; Human Computer Interaction; Data Management and Processing in Sensor Networks; Advanced Topics in Data Bases.
- **Selection of undergraduate courses from ECE, Technical University of Crete**  
Data Bases; Software Development Tools and Systems Programming; Multimedia Management Methods; Algorithms and Complexity; Computational Theory; Artificial Intelligence; Computer Networks I; Computer Networks II; Object Oriented Programming; Structured Programming; Data and File Structures; Operating Systems.

## Technical Skills

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**Extended experience:** Java, Python, C, Matlab, MySQL, HTTP, AJAX, CSS, HTML5 (offline, storage, geolocation, etc), JSP, Javascript (jQuery, OpenLayers, D3, Twitter Bootstrap), JSON, REST Web Services, Requirements modeling, UML, User Interface Design and Evaluation, Interface Prototyping, User Experience studies, BCED and MVC architectures, Subversion, Apache Tomcat, Netbeans and Eclipse.

**Experience:** XML, OWL, RDF, SPARQL, Hadoop, MapReduce, Lucene, Jena, PostgreSQL, socket programming, nltk, CRC and SCRUM.

## Languages

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**English:** Native speaker, **Canadian Citizenship;** **German:** Effective operational proficiency, ÖSD-Prüfung B2 Mittelstufe Deutsch; **Greek:** Native speaker, **Greek Citizenship.**