

# Christina Christodoulakis

Ph.D. Student and Research Assistant  
Department of Computer Science  
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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: Angela Demke Brown.  
Thesis title: Facilitating Discovery in Open Data
- **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**, 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.

## Publications

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- **C. Christodoulakis**, M. Gabel, A. D. Brown, Leveraging Guides to Empower Open Data Research. *Short paper*, DAS 2022
- **C. Christodoulakis**, E. Munson, M. Gabel, A. D. Brown, R. J. Miller, Pytheas: Pattern-based Table Discovery in CSV Files. *Full paper*, Proc. VLDB Endow. 2020
- R. J. Miller, F. Nargesian, E. Zhu, **C. Christodoulakis**, K. Q. Pu, & P. Andritsos, Making Open Data Transparent: Data Discovery on Open Data. *Full paper*, IEEE Data Eng. Bull. 2018
- **C. Christodoulakis**, A. Asgarian, S. Easterbrook, Barriers to Adoption of Information Technology in Healthcare, *Full paper*, CASCON 2017
- **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.

## 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.
- Collaborative Discovery Group, May 4th 2015 - July 31st 2015. Manager: Mary Roth; Mentor: Eser Kandogan, PhD.  
Project title: Query Recommendations for Watson Analytics.
- 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.

## Honors, Awards, Distinctions

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### Awards

- Bell Graduate Scholarship, 2022-2023
- Bell Graduate Scholarship, 2021-2022
- Wolfond Scholarship in Wireless Information Technology, 2020-2021
- VLDB Registration Support, 2020
- Bell Graduate Scholarship, 2020-2021
- General Motors Women in Science and Mathematics Award, 2020
- General Motors Women in Science and Mathematics Award, 2019
- Doctoral Completion Award, 2019
- Alexander Graham Bell Canada NSERC CGS D Scholarship, 2016-2018
- Ontario Graduate Scholarship (OGS), 2014-2015
- University Of Toronto Fellowship, Faculty Of Arts And Science, 2013-2018
- Faculty Of Arts And Science Program-Level Fellowship, 2017
- Service Distinction Award 2016 for outstanding engagement in graduate student recruitment, Department of Computer Science, University of Toronto
- Performance Fellowship Award, Technical University of Crete, 2008-2009.

### Invited talks

- Technical University of Crete ECE Summer School on Data Analysis, July 2023
- Cornell University Database Seminar, November 2020

## Service

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### University

- UofT DCS faculty recruitment, round table host for System and Networks candidates 2022
- UofT DCS faculty recruitment, round table host for System and Networks candidates 2021
- Graduate application screening, UofT DCS 2020
- Graduate application screening, UofT DCS 2019

- 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
- Student panelist, UofT DCS incoming graduate students 2015

#### **Reviewer or Program Committee Member**

- PC meeting facilitator, The 15th USENIX Symposium on Operating Systems Design and Implementation, OSDI 2021
- Reviewer, The 9th International Conference on Advanced Collaborative Networks, Systems and Applications, COLLA 2019
- The 34th IEEE International Conference on Data Engineering, ICDE 2018
- Reviewer, The 7th International Conference on Social Media Technologies, Communication, and Informatics, SOTICS 2017
- Reviewer, The 7th International Conference on Advanced Collaborative Networks, Systems and Applications, COLLA 2017
- 6th ACM Symposium on Cloud Computing, SoCC 2015
- 41st International Conference on Very Large Data Bases, VLDB 2015
- 23rd European Conference on Information Systems, ECIS 2015

#### **Miscellaneous**

- Web Chair, 2nd Workshop on Communication and Networking Techniques for Contemporary Video, IEEE INFOCOM 2015
- Volunteer Web Developer, for the VLDB 2013 conference.

## Academic Experience

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#### **Research Assistant**

- (Aug. 2019 - now), Computer Systems and Networks Group, Department of Computer Science, University of Toronto.
- (Aug. 2012 - Aug. 2019), Database Group, Department of Computer Science, University of Toronto.

#### **Teaching Assistant**

- (Jan. 2023 - May. 2023), CSC343 Introduction to Databases, instructed by Professor Danny Heap and Professor Jacqueline Smith, Department of Computer Science, UofT.
- (Sept. 2020 - Dec. 2020), CSC343 Introduction to Databases, instructed by Professor Diane Horton, Department of Computer Science, UofT.
- (May 2020 - Aug. 2020), CSC343 Introduction to Databases, instructed by Professor Diane Horton, Department of Computer Science, UofT.
- (Jan. 2020 - May 2020), CSC343 Introduction to Databases, instructed by Professor Danny Heap, Department of Computer Science, UofT.
- (Sept. 2019 - Dec. 2019), CSC343 Introduction to Databases, instructed by Professor Diane Horton, Department of Computer Science, UofT.
- (Jan. 2019 - May 2019), CSC343 Introduction to Databases, instructed by Daniela Rosu, Sina Meraji, Safoura Janosepah, Department of Computer Science, UofT.
- (Sept. 2018 - Dec. 2018), CSC343 Introduction to Databases, instructed by Daniela Rosu, Sina Meraji, Department of Computer Science, UofT.
- (Jan. 2015 - May 2015), CSC318 Design of Interactive Computational Media, instructed by Velian Pandeliev, Department of Computer Science, UofT.
- (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.

- (Jan. 2014 - May 2014), CSC343 Introduction to Databases, instructed by Manos Papagelis, Department of Computer Science, UofT.
- (Aug. 2013 - Dec. 2013), CSC318 Design of Interactive Computational Media, instructed by Dr. Olivier St-Cyr, Department of Computer Science, UofT.
- (Jan. 2013 - May 2013), CSC318 Design of Interactive Computational Media, instructed by Professor Khai Truong, Department of Computer Science, UofT.
- (Aug. 2012 - Dec. 2012), CSC207 Software Design, instructed by Professor Diane Horton, Department of Computer Science, UofT.