## Evangelia Christakopoulou

Contact	<i>Email:</i> evachristakopoulou@gmail.com <i>Webpage:</i> http://cs.umn.edu/~evangel <i>LinkedIn:</i> linkedin.com/in/evangelia-christakopoulou/	
RESEARCH AREAS	Machine learning, data mining and their applications to recommender systems.	
Work Experience	<ul> <li>Apple, Cupertino March 2018 - present</li> <li>Applied Researcher, Apple Media Products</li> <li>Working on designing, developing, implementing machine learning and data mining models used for recommendation systems, on large scale data. Coordinating with multiple stakeholders on product development direction.</li> <li>Currently leading projects for the next generation of recommendation systems on Apple TV.</li> <li>Led the launch of a new feature on Apple TV, providing recommendations for the household, presented in WWDC.</li> <li>Led the launch of a new personalized shelf on Apple TV, producing dynamic compelling content to users based on their interests.</li> <li>Helped launch the personalization on Apple TV+.</li> <li>Helped launch the Apple originals on Apple TV.</li> <li>Developed and implemented recommendation systems currently used by iTunes and Apple TV in production.</li> </ul>	
	<ul> <li>University of Minnesota, Twin Cities September 2011-February 2018</li> <li>Graduate Researcher at the Computer Science Department</li> <li>Conducted research on developing novel algorithms for improving the quality of large-scale top-N recommendation systems.</li> <li>Published one book chapter, and first author on seven peer-reviewed research papers, one of which received best paper award.</li> <li>LinkedIn, Sunnyvale Summer 2015</li> <li>Software Engineering Intern at the Search Network &amp; Analytics (SNA) team in Enterprise Relevance</li> <li>Impoved the decision maker score for Sales Navigator.</li> <li>The model was published in KDD 2016 and is currently used in production.</li> </ul>	
	<ul> <li>Google, Mountain View Summer 2014</li> <li>Software Engineering Intern at the Data Science team in AdSense/Display</li> <li>Identified the cases where the model predicting when a user mutes an ad is miscalibrated.</li> <li>The model achieved 52% improvement over the baseline and is used in production.</li> </ul>	
Education	<ul> <li>University of Minnesota, Twin Cities, USA</li> <li>Ph.D. in Computer Science 28 February 2018</li> <li>Thesis Title: "Improving the Quality of Top-N Recommendation"</li> <li>Thesis Advisor: George Karypis</li> <li>Thesis Committee: George Karypis, Joseph Konstan, Arindam Banerjee, Gedas Adomavicius</li> </ul>	
	University of Minnesota, Twin Cities, USAM.S. in Computer Science29 May 2015	
	University of Patras, Greece27 July 2011Diploma in Electrical and Computer Engineering27 July 2011• Thesis Title: "Applying Data Mining Methods on Social Networks"27 July 2011• Thesis Advisors: Nikos Avouris, Sophia Daskalaki27 July 2011	

	• Top 2% of graduating class		
Awards & Honors	Best Paper Award at '16 Travel Awards	September 2016	
	• WIML'16	December 2016	
	• KDD'16	August 2016	
	• Doctoral Symposium of RecSys'14	October 2014	
	Covendation Scholarship	2014 2015	
	<ul> <li>Gerondens Foundation Scholarship</li> <li>I. Galanopoulos Scholarship</li> </ul>	2014-2015 2007-2009	
Volunteering	Session Chair		
	• Applied Data Science track at KDD	2021	
	• AnitaB org Mentor	2020-2021	
	Initability of Minnesotal College of Science & Engineering Menter	2020-2021	
	CRA-W Student Opportunity Lab Grace Hopper Celebration	2020 2021	
	Poster Judge	2011	
	• Grace Hopper Celebration	2020	
Professional	Program Committee Member		
SERVICE	• SIGIR	2021,2020, 2019, 2018	
	• WSDM	2021, 2020	
	• RecSys	2021, 2020, 2019, 2018	
		2019, 2018, 2017	
	• IJCAI Reviewer VLDB 2019, TKDD 2019, TKDD 2018, ACM TOIS 2018	8, DAMI 2017	
Book Chapters	"Scalability and Distribution of Collaborative Recommenders" <u>Evangelia Christakopoulou</u> , Shaden Smith, Mohit Sharma, Alex Richards, David Anastasiu and George Karypis. Collaborative Recommendations: Algorithms, Practical Challenges and Applications, World Scientific Publishing, 2018.		
Journals	"Big Data and Recommender Systems" David C. Anastasiu, <u>Evangelia Christakopoulou</u> , Shaden Smith, Mohit Sharma and George Karypis. <i>Novatica: Journal of the Spanish Computer Scientist Association</i> , 2016.		
Conference Publications	<ol> <li>"Using the Error for Top-N Recommendation" Evangelia Christakopoulou and George Karypis. Ready for sull</li> </ol>	bmission, 2019.	
	2. "Local Latent Space Models for Top-N Recommendation" <u>Evangelia Christakopoulou</u> and George Karypis. 24th ACM SI <u>Knowledge Discovery and Data Mining (KDD)</u> , 2018.	IGKDD Conference on	
	<ol> <li>"Local Item-Item Models for Top-N Recommendation"</li> <li>Evangelia Christakopoulou and George Karypis. 10th ACM Conference on Recommender Systems (RecSys), 2016. Best Paper Award. Taught in 'Mining Large-scale Graph Data' course at University of Michigan.</li> </ol>		
	<ol> <li>"Identifying Decision Makers from Professional Social Networks" Shipeng Yu, Evangelia Christakopoulou and Abhishek Gupta. 22nd ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), 2016.</li> </ol>		
	5. "Moving Beyond Linearity and Independence in Recommender Evangelia Christakopoulou 8th ACM conference on Recommendary 2014.	r Systems" ader systems (RecSys),	

	6. "HOSLIM: Higher-Order Sparse Linear Methods for Top-N Recommender Systems." <u>Evangelia Christakopoulou</u> and George Karypis. 18th Pacific-Asia Conference on <u>Knowledge Discovery and Data Mining (PAKDD)</u> , 2014.
Invited Talks	<ol> <li>"Improving the quality of top-N recommendation: modern approaches with a special focus on similar users' behavior" June 2018 Netflix Workshop on Personalization, Recommendation and Search, Los Gatos, CA. Selected as the only presenter to give a talk on my research from graduate school among other ten presenters from industry.</li> </ol>
	2. "Local Item-Item Models for Top-N Recommendation"September 2017Google PhD Student Research Summit, Mountain View, CA.
Software	• GLSVD: Global and Local Singular Value Decomposition for Top-N Recommendation. <u>Evangelia Christakopoulou</u> and George Karypis 2017 <u>https://github.com/echristakopoulou/glsvd</u>
	GLSLIM: Global and Local Sparse LInear Methods for Top-N Recommendation. Evangelia Christakopoulou and George Karypis 2016 https://github.com/echristakopoulou/glslim
Teaching Experience	Teaching Assistant, Introduction to Data Mining (UMN CSCI 5523)Fall 2016Teaching Assistant, Operating Systems (UMN CSCI 4061)Fall 2011, Spring 2012
Languages	<b>Greek</b> : native language <b>English</b> : fluent, Proficiency of Cambridge, TOEFL <b>French</b> : Diplôme d' études en Langue Française du 1er et 2nd degré
References	Available upon request.