CURRICULUM VITAE
KORTSARTS YANA, Ph.D.

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ACADEMIC EDUCATION

1997 Ph. D. in Applied Mathematics, Tel-Aviv University, Raymond and Beverly Sackler Faculty of Exact Sciences, School of Mathematical Sciences, Tel-Aviv, Israel. Thesis Studies in Flame Flow Interaction. Advisor: Professor Gregory I. Sivashinsky

1989 M. Sc. in Mathematics and Mathematics Education (Summa cum laude), Department of Mathematics and Mechanics Kharkov State University, Ukraine. Thesis: Theory of non-homogeneous turbulent fields. Advisor: Professor A.Yanzevich.

PROFESSIONAL EXPERIENCE

2014 – Chair of Digital Media Informatics, Widener University

2016- Professor, Department of Computer Science, Widener University,
Majors' courses: Introduction to Computer Science I/II, Practical Cryptology, Computer Forensics, Introduction to Bioinformatics, Senior Projects
Non-majors' courses: Data Mining, Introduction to Informatics. Animation and Virtual Worlds with Alice, Computing Technology for All
Independent Study: Advanced Web Design

2009 - 2016 Associate Professor, Department of Computer Science, Widener University
Majors' courses: in addition to the courses listed above:
Introduction to Computer Science I and II with C,
Programming with C, Independent Study Advanced Cryptology
Curriculum Development:
Computer Forensics Minor
Non-majors' courses: in addition to the courses listed above:
Introduction to Computer Forensics, Introduction to Programming with Python, Women in Computing

2003- 2009 Assistant Professor, Department of Computer Science, Widener University.
Majors' courses in addition to the courses listed above: Assembly Language,

Data Structures and Algorithms II

2001-2003 Visiting Assistant Professor, Department of Computer Science, Department of Mathematical Sciences, Rutgers University, Camden, NJ. Majors' courses: Introduction to Computer Science with C++, Software Lab I, Programming with Data Structures, Software Lab II, Elementary Differential Equations, Partial Differential Equations, Advanced Discrete Mathematics, Introduction to Computing, Industrial Mathematics - new course development, Industrial Mathematics - new graduate track development, Applied and Computational Mathematics - new undergraduate program development

3/2002 Visiting Researcher, Department of Mathematics, Tulane University, New Orleans, LA, Research Topics: Study of Numerical Modeling for Ocean Dynamic Problems, Numerical Methods for Parabolic Non-Linear Partial Differential Equations

1990-2001 Lecturer, Visiting Researcher, Ph.D. Graduate Student, School of Mathematical Sciences, Tel-Aviv University, Tel-Aviv, Israel. Courses Taught: Calculus, Advanced Calculus, Linear Algebra, Advanced Linear Algebra, Ordinary Differential Equations, Partial Differential Equations, Statistic and Probability Theory, Mathematics for Economics. Research Activities: Mathematical Models of Combustion Theory, Derivation of Non-Linear Evolution Equation for the Flame Front and Physical Boundary Conditions by Using Asymptotic Methods, Numerical Experiments

1995-2001 Lecturer, Academic College of Tel-Aviv-Yaffo, Tel-Aviv, Israel. Courses Taught: Data Structure using C++, Introduction to Computer Science and C language, Calculus, Advanced Calculus, Advanced Topics in Mathematics, Numerical Analysis, Linear Algebra, Mathematics to Economics Students, Linear Algebra for Economics Students. Curriculum Development: Graduate Program in Computer Science, Student projects in Computer Science and Numerical Mathematics

1996-1997 Course Coordinator, Open University, Tel Aviv, Israel. Courses: Theory of Complex Functions, Ordinary Differential Equations

1993-1996, 1990 Lecturer, Preparation Program for New Immigrants. Tel-Aviv University, Israel.

1989-1990 High School and Middle School Mathematics Teacher, School 99, Kharkov, Ukraine

SELECTED LIST OF PUBLICATIONS

Books

2018 Yana Kortsarts, Yulia Kempner, Leonid Kugel, Adam Fischbach (Editor), Problem Solving in C and Python: Programming Exercises and Solutions, Part I, https://www.smashwords.com/books/view/879372, 2018

Peer Reviewed Papers Published in Refereed Journals and Refereed Proceedings After Receiving Tenure in Fall 2009

2015 Yana Kortsarts, Yulia Kempner, Steganography and Cryptography Inspired Enhancement of Introductory Programming Courses. *Information Systems Education Journal* (*ISEDJ*), Volume 13, No. 4, pp. 24 - 32, July 2015

2014 Adam Fischbach, Yana Kortsarts, Incorporating Professional Ethics into An Introductory Computer Science Course. *Journal of Computing Science in Colleges*, Volume 29 Issue 3, pp. 35 - 42, January 2014

2012 Yana Kortsarts, Yulia Kempner, Enriching Introductory Programming Courses with Non-Intuitive Probability Experiments Component. *Proceedings of the 17th ACM Annual Conference on Innovation and Technology in Computer Science Education* (*ITiCSE*), pp. 128 - 131, ACM New York, NY, USA ©2012

2010 Yana Kortsarts, Work in Progress: Women in Computing Honors Course. *Proceedings of 40th Annual Frontiers in Education Conference* (*FIE*), pp. F4E-1 - F4E-2, October 2010, ISBN: 978-1-4244-6259-9

2010 Yana Kortsarts,Yulia Kempner, Merkle-Hellman Knapsack Cryptosystem in Undergraduate Computer Science Curriculum. *Proceedings of the 2010 International Conference on Frontiers in Education: Computer Science & Computer Engineering* (*FECS*), pp. 123 – 129, July 12-15, 2010, Las Vegas, Nevada, USA. CSREA Press 2010

2010 Y. Kortsarts, Fischbach, A, Rufinus, J, Utell, J and Yoon, S C, Developing Oral and Written Communication skills in Undergraduate Computer Science and Information Systems Curriculum. *Information Systems Education Journal* (*ISEDJ*), Volume 8, Number 30, June 17, 2010

2010 Y. Kortsarts, R. Morris, J. Utell, Interdisciplinary Introductory Course in Bioinformatics, *ISEDJ*, Volume 8, Number 27, June 14, 2010

Before Receiving Tenure in Fall 2009

2009 Y. Kortsarts, W. Harver, Introduction to Computer Forensics for Non-Majors, *ISEDJ*, Volume 7, Number 14, March 26, 2009

2007 Y. Kortsarts, Integrating a Real-World Scheduling Problem into the Basic Algorithms Course. *Journal of Computing Sciences in Colleges,* Volume 22, Issue 6, pp. 184 - 192, June 2007

2007 Y. Kortsarts, J. Rufinus, Integrating Project Component into the Introductory Computer Science and Information Systems Curriculum, *ISEDJ,* Volume 5, Number 6, May 2007

2007 J. Rufinus, Y. Kortsarts, One-Dimensional Heat Distribution Problem and Parallel Computing Concepts. *Journal of Computing Sciences in Colleges*, Volume 22, Issue 3, pp. 74 - 81, January 2007

2006 Jeffrey Rufinus, Yana Kortsarts, Teaching an Introductory Programming Course for Non-Majors using Python, *ISEDJ*, Volume 4 (104), October 2006

2006 J. Rufinus, Y. Kortsarts, Domain Decomposed Parallel Heat Distribution Problem in Two Dimensions. *Proceedings of 2006 International Conference on Computational Science and Education*, Rochester, August 7-10, 2006

2006 J. Rufinus, Y. Kortsarts, Domain Performance Study of Domain Decomposed Parallel Matrix-Vector Multiplication Programs. *Proceedings of 2006 International Conference on Computational Science and Education*, Rochester, August 7-10, 2006

2006 Y. Kortsarts, J. Rufinus, Teaching a Power of Randomization Using Simple Game. *Proceedings of the 37th Technical Symposium on Computer Science Education* (*SIGCSE*), March 1-5, 2006

2005 Yana Kortsarts, Jeffrey Rufinus, How (and Why) to Introduce Monte-Carlo Randomized Algorithms into a Basic Algorithms Course?. *Journal of Computing Sciences in Colleges*, Volume 21(2), pp. 195 - 203, December 2005

2005 Kortsarts, Y., Kortsarz, G., and Nutov, Z., Greedy Approximation Algorithms for Directed Multicuts. *Networks*, Volume 45, Issue 4, pp. 214 - 217, July 2005

2004-2005 Kortsarts, Y., Kortsarz, G., and Nutov, Z., Approximation Algorithm for Directed Multicuts. *Approximation and Online Algorithms, Lecture Notes in Computer Science*, ISBN: 3-540-24574-X, Volume 3351, pp. 61 - 67. Proceedings of the Second International Workshop, WAOA 2004, Bergen,

Norway, September 14-16, 2004.

2005 Jeffrey Rufinus, Yana Kortsarts, Parallel Computing for IS Majors. *Information Systems Education Journal* (*ISEDJ*), ISSN: 1545 – 679X, 3(30), 2005

2005 Y. Kortsarts, J. Rufinus, Programming with Python for Non-Majors – an Innovative Teaching Approach. *Proceedings of IPSI – USA* 2005, Boston, July 2005

2002 Kortsarts, Y., Kagan, L., Sivashinsky, G. I., Flame Extinction by Spatially Periodic Shear Flows. *Combustion Theory and Modelling* 6, 2002, pp. 189 - 195

1998 Kortsarts, Y., Kliakhandler, I., Shtilman, L., Sivashinsky, G. I., Effects due to Shear Flow on the Diffusive-Thermal Instability of Premixed Gas Flames. *Quarterly of Applied Mathematics*, Volume LVI, Issue 3, pp. 401-412, 1998

1997 Kortsarts, Y., Brailovsky, I., Gutman, S. and Sivashinsky, G.I., On Stability of Stretched Flames. *Combustion Theory and Modelling*, Volume 1, Issue 2, 1997, pp.143 - 156.

1997 Kortsarts, Y., Brailovsky, I. and Sivashinsky, G.I., On Hydrodynamic Stability of Stretched Flames. *Combustion Science and Technology*, 1997, Volume 123, pp. 207-225

Peer Reviewed Paper Abstracts Published in Refereed Journals and Refereed Proceedings After Receiving Tenure in Fall 2009

2014 Yana Kortsarts, Yulia Kempner, Steganography and Cryptography Inspired Enhancement of Introductory Programming Courses. *In The Proceedings of 2014 Information Systems Education Conference* (*ISECON*), v31 n3016, ISSN: 2167- 1435, Baltimore, MD, November 6-9, 2014

2009 Y. Kortsarts, Fischbach, A, Rufinus, J, Utell, J and Yoon, S C, Developing Oral and Written Communication skills in Undergraduate Computer Science and Information Systems Curriculum. In *The Proceedings of the 2009 ISECON*, v 26, §2325. ISSN: 1542-7382, Washington, DC, November 5-8, 2009

Before Receiving Tenure in Fall 2009

2008 Y. Kortsarts, R. Morris, J. Utell, Interdisciplinary Introductory Course in Bioinformatics. In T*he Proceedings of 2008 ISECON*: #3312, ISSN: 1542-7382, November 6 - 9, 2008

2007 Y. Kortsarts, W. Harver, Introduction to Computer Forensics for Non-Majors. In *The Proceedings of 2007 ISECON*: #3142, ISSN: 1542-7382, November 1 - 4, 2007

2006 Y. Kortsarts, J. Rufinus, Integrating Project Component into the Introductory Computer Science and Information Systems Curriculum **(Recipient of Meritorious Paper Award)**. In *The Proceedings of 2006 ISECON*: #2323, ISSN: 1542-7382, November 2-5, 2006

2005 Jeffrey Rufinus, Yana Kortsarts, Teaching an Introductory Programming Course for Non-Majors using Python. *In The Proceedings of 2005 ISECON*: #3362, ISSN: 1542-7382, October 6-9, 2005

2004 J. Rufinus, Y. Kortsarts, Parallel Computing for IS Majors. In *The Proceedings of the 2004 ISECON*: #2225, ISSN: 1542-7382, Newport, RI, 2004

Peer Reviewed Posters, Panels, Tutorials and Lightning Talks Abstracts Published in Refereed Journals and Refereed Proceedings
After Receiving Tenure in Fall 2009

2020 **Poster:** Yana Kortsarts, Kamil Akhuseyinoglu, Jordan Barria-Pineda, Peter Brusilovsky (University of Pittsburgh). Integrating personalized online practice into an introductory programming course. Journal of Computing Sciences in Colleges, Volume 35 (8), pp. 264-266, April 2020

2019 **Panel:** Adam Fischbach**,** Yana Kortsarts, William Joel, Western Connecticut State University, Ting Liu, Siena College, Interdisciplinary Programs, *Journal of Computing Sciences in Colleges*, Volume 34 (6), pp. 133-135, June 2019

2019 **Poster:** Adam Fischbach**,** Yana Kortsarts, Suk-Chung Yoon, Developing and Managing Interdisciplinary Programs, *Journal of Computing Sciences in Colleges*, Volume 34 (6), pp. 155-156, June 2019

2018 **Lightning Talk:** Adam Fischbach**,** Yana Kortsarts, Suk-Chung Yoon, Developing Computer Forensics Minor – Challenges and Opportunities, SIGCSE 2018, Proceedings of the 49th ACM Technical Symposium on Computer Science Education, pp. 1105, Baltimore, MA, February 21-24, 2018

2018 **Poster:** Adam Fischbach**,** Yana Kortsarts, Suk-Chung Yoon, Developing Interdisciplinary Programs – Challenges and Opportunities, SIGCSE 2018, Proceedings of the 49th ACM Technical Symposium on Computer Science Education, pp. 1073, Baltimore, MA, February 21-24, 2018

2017 **Poster:** Yana Kortsarts, Teaching Computer Forensics Course: Challenges and Opportunities. *Journal of Computing Sciences in Colleges*, Volume 32 (6), pp. 208-209, June 2017

2016 **Poster:** Yana Kortsarts, Introductory Course in Data Mining. *Journal of Computing Sciences in Colleges*, Volume 31 (6), pp. 46-47, June 2016

2013 **Poster:** Yana Kortsarts, Yulia Kempner, Enriching Undergraduate Computer Science Curriculum with Steganography Examples. *Journal of Computing Sciences in Colleges*, Volume 28 (6), pp. 192-193, June 2013

2012 **Poster**: Yana Kortsarts, Adam Fischbach, Integrating Computer Ethics Components into the Computer Science Curriculum. *Journal of Computing Sciences in Colleges*, Volume 27 Issue 6, pp. 63-64, June 2012

2012 **Poster**: Yana Kortsarts, Vasily Kolchenko, Dynamic Programming Across the CS Curriculum. *Proceedings of the 43rd ACM Technical Symposium on Computer Science Education (SIGCSE*), p. 671, February 2012

2010 **Panel:** Yana Kortsarts, Timothy Dansdill, Mark E. Hoffman, Adam Fischbach, Janine Utell, Writing intensive and writing extensive: a continuum for advancing writing in computer science education. *Journal of Computing Science in Colleges*, Volume 25 (6), pp. 205-209, June 2010

2010 **Poster:** Kortsarts, Y., Kempner, Y., Integrating Merkle-Hellman Knapsack Cryptosystem into the Undergraduate Computer Science Curriculum. *Journal of Computing Sciences in Colleges*, Volume 25 (6), pp. 239-240, June 2010

Selected Non-Peer Reviewed Conference Poster and Oral Presentations with Students After Receiving Tenure in Fall 2009

2020 **Poster:** Cole Bryner, Advisor Yana Kortsarts, Exploring Computer Security Labs and Virtual Learning Environments, 2020 Consortium for Computing Sciences in Colleges, North Eastern Region (CCSCNE), Ramapo College, NJ, April 2020 (Conference was cancelled, but poster abstract published in abstract book)

2019 **Poster:** Cole Bryner, Advisor Yana Kortsarts, Exploring Cryptology and Cryptanalysis, 2019 Consortium for Computing Sciences in Colleges, North Eastern Region (CCSCNE), University of New Haven, Connecticut, West Haven, April 12-13, 2019

2019 **Poster:** Hayley Bonhage, Amy Magee, Advisor Yana Kortsarts, Women in Computing, 2019 Consortium for Computing Sciences in Colleges, North

Eastern Region (CCSCNE), University of New Haven, Connecticut, West Haven, April 12-13, 2019

2018 **Poster:** Noella Noel, Angelica Howell, Kayla Cassumba, Hayley Bonhage, Stephaney Sumner, Faith Cramutola, Amy Magee, JC Lamkin, Advisor Yana Kortsarts, Women in Computing Club at Widener University, The 2018 ACM Philadelphia Region Celebration of Women in Computing PHICWIC 2018, April 20-21, 2018

2017 **Poster:** Michael Blithe, Yana Kortsarts, A Path to Learning Cryptology, 2017 Consortium for Computing Sciences in Colleges, North Eastern Region (CCSCNE), The College of Saint Rose, Albany, NY, April 2017

2016 **Poster:** Connor Valan, Alexandra Wentzel, Suk-Chung Yoon, Yana Kortsarts, Correlation between Twitter Moods and Market Performace, 2016 Consortium for Computing Sciences in Colleges, North Eastern Region (CCSCNE), Hamilton College, Clinton, NY, April 2016 and NCUR 2016, April 2016

2016 **Poster:** Michael Blithe, Yana Kortsarts, Comparison of Heuristics in the Bin Packing Problem, 2016 Consortium for Computing Sciences in Colleges, North Eastern Region (CCSCNE), Hamilton College, Clinton, NY, April 2016

2016 **Poster:** Nicholas Slavin and Amir Faraq, Designing a Digital Plant Guide with SQLite and Python, NCUR 2016, April 7 – 9, 2016

2015 **Poster:** Andrew Miller, Justin Spedding, Yana Kortsarts, Design and Implementation of Steganography and Steganalysis Techniques, 2015 Consortium for Computing Sciences in Colleges, North Eastern Region (CCSCNE), College of Holly Cross, Worcester, MA, April 2015

2015 **Poster:** Noella Noel, Tulsi Patel, Yana Kortsarts, Exploring Extracurricular Activities to Enhance Retention and Recruitment of Women in Computing Disciplines, 2015 CCSCNE, College of Holly Cross, Worcester, MA, April 2015

2014 **Poster:** Kaitlyn Hitchcock, Alexandra Wentzel, Yana Kortsarts, Women in Computing: What Works, 2014 CCSCNE, Providence College, Providence, RI, April 2014

2012 **Poster:** Edwin Dauber, Yana Kortsarts, Steganography Algorithms in JAVA, 2012 CCSCNE, Quinnipiac University, Hamden, CT, April 2012

2012 **Oral:** Edwin Dauber, Yana Kotsarts, Implementing Steganography Algorithm in Java Environment. National Conference on Undergraduate Research

(NCUR), Weber State University, UT, 2012

2011 **Poster:** Joseph Fijalkowski, Yana Kortsarts, Bioinformatics Algorithms: Dynamic Programming and Graph Theory, 2011 CCSCNE, Western New England College, Springfield, MA, April 2011

2011 **Poster:** Louis Szgalsky, Yana Kortsarts, Flipping Coins Over The Telephone, 2011 CCSCNE, Western New England College, Springfield, MA, April 2011

2011 **Poster:** Kimberly Chiffens, Maria Janeelli, Yana Kortsarts, Cryptanalysis of the Vigenere Cipher, 2011 CCSCNE, Western New England College, Springfield, MA, April 2011

2011 **Poster:** Edwin Dauber, Yana Kortsarts, Implementing Steganography Algorithm in the Java Environment, 2011 CCSCE, Marymount University, Arlington, VA, 2011

2009 **Poster**: Ben Ferenchak, Yana Kortsarts, Adam Fischbach, Exploring Steganography with Java. NCUR, University of Wisconsin, LaCrosse, WI, 2009

2009 **Poster:** Ben Ferenchak, Yana Kortsarts, Adam Fischbach, "Exploring Steganography with Java", 2009 CCSCNE, SUNY Plattsburgh, Plattsburgh, NY, April 2009

Selected Conferences Attended after Receiving Tenure in Fall 2009

2021 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Ramapo College (Virtual Conference), NJ, April 16-17, 2021

2019 ICER '19: 2019 ACM Conference on International Computing Education Research, Toronto, Canada, August 11-14, 2019

2019 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), University of New Haven, West Haven, CT, April 12-13, 2019

2018 The 2018 ACM Philadelphia Region Celebration of Women in Computing (PHICWIC), April 20-21, 2018

2018 49th ACM Technical Symposium on Computer Science Education (SIGCSE 2018), Baltimore, MA, February 21-24, 2018

2017 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE)**,** The College of Saint Rose, NY, April 7 - 8, 2017

2016 The 19th International Workshop on Approximation Algorithms for Combinatorial Optimization Problems (APPROX'2016), and the 20th International Workshop on Randomization and Computation (RANDOM'2016), Institut Henri Poincaré, Paris, France, September 7-9, 2016

2016 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE)**,** Hamilton College, Clinton, NY, April 29 - 30, 2016

2015 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE)**,** Worcester, MA, April 17-18, 2015

SELECTED PROFESSIONAL SERVICE

Conference Committee Member

2022-2023 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Papers Co-Chair, Ithaca College, NY, April 2023

2021-2022 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Papers Co-Chair, Pace University, NY, April 2022

2020-2021 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Papers Co-Chair, Ramapo College (Virtual Conference), NJ, April 2021

2019-2020 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Papers Co-Chair, Ramapo College (Conference was cancelled but publications were published), NJ, April 2020

2018-2019 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Papers Co-Chair, University of New Haven, West Haven, CT, April 2019

2017-2018 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Papers Co-Chair, University of New Hampshire at Manchester, April 20-21, 2018

2016-2017 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Panels and Lightning Talks Co-Chair, The College of Saint Rose, Albany, NY, April 7-8, 2017

2015-2016 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE), Panels and Lightning Talks Co-Chair, Hamilton College,

Clinton, NY, April 29-30, 2016

2014-2015 CCSCNE, Panels and Lightning Talks Co-Chair, Worcester, MA, April 17-18, 2015

2014-2015 International Conference of the Florida Artificial Intelligence Research Society (FLAIRS), Program Committee Member for Special Track in AI Education, May 18 - 20, 2015

2013-2014 CCSCNE, Demos and Panels Co-chair, Providence College, RI, April 25-26, 2014

2012-2013 CCSCNE, Demos and Panels Co-chair, Siena College in Loudonville, NY. April 12-13, 2013

2011-2012 CCSCNE, Demos and Panels Co-chair, Quinnipiac University, Hamden, CT, April 27-28, 2012

2010-2011 CCSCNE, Demos Co-Chair, Western New England College, Springfield, MA, April 15-16, 2011

2009-2010 CCSCNE, Demos Co-Chair, University of Hartford, CT. April 16-17, 2010

2008-2009 CCSCNE, Panels/Tutorials/Workshops Co-Chair, SUNY Plattsburgh, Plattsburgh, NY, April 24-25, 2009

2007-2008 2008 CCSCNE, Panels/Tutorials/Workshops Co-Chair, Wagner College, Staten Island NY, April 11-12, 2008

2006-2007 2007 CCSCNE, Panels/Tutorials/Workshops Co-Chair, Rochester, NY, April 20 – 21, 2007

2005-2006 2006 CCSCNE, Panels/Tutorials/Workshops Co-Chair, Worcester, MA, April 21-22, 2006

WIDENER UNIVERSITY SERVICE: COMMUNITY ENGAGEMENT

2022 Annual Programming Contest for High School Students

2020 Next Generation Computer Scientist Virtual Summer Camp, August 2020

2005 - 2019 Annual Programming Contest for High School Students

10/21/2017 Community Tech Day 2017

11/14/2015	Community Tech Day 2015
October 2015	Introducing Computer Forensics to International Visitors from Indonesia
2015	Advising Cherry Hill high school teachers in designing curriculum for the introductory programming course that Cherry Hill East and West high schools offered for the first time in Fall 2015
February 26, 2015	Workshop for High School Teachers on Alice Programming at 2015 Annual Programming Contest for High School Students. Workshop was approved by New Jersey Education Association (NJEA). Workshop description published on NJEA website
February 7, 2015	Running four Computer Animations sessions and helping with LEGO NXT Robots session at Engineering Mini Camp for High School Girls with IBM volunteers and Women in Computing Group at Widener University
Fall 2014	Preparation for Community Tech Day 2014
2013	LEGO NXT Robotics presentation at local elementary school. With Women in Computing Group members: Megan Petrillo, Alyssa Coffey, Melanie Stoy, Samantha Parker, June 2013
Fall 2011	Programming in Alice workshop for the high school girls interesting in computer science at Widener University
2011	Programming in Alice workshop for 6th grade students at Kellman Brown Academy, Voorhees, NJ, June 16, 2011
2011	Participation in career panel for middle school students at Kellman Brown Academy, Voorhees, NJ, June 15, 2011
Fall 2009	Organizing Guest Talk for high school students and teachers at 2009 annual programming contest. Presenter: Dr. Abbe Forman, Temple University
2008	Alice Programming Environment Demonstration for principal Dr. Dennis Perry and teacher Mrs. Laurie Parker, Beck Middle School, Cherry Hill, NJ, August 2008

2006	Robotics for Kids and Fun Programming with Alice, presentations for 2nd grade and 5th grade students, Sharp Elementary School, Cherry Hill, June 2006
2005	Computer Science workshop for High School Students

WIDENER UNIVERSITY SERVICE: EQUITY IN COMPUTING (WOMEN IN COMPUTING) CLUB ACTIVITIES

2020-	Academic Advisor for Equity in Computing (Women in Computing Club)
2023, 2020-2015	Engineering Mini Camp for High School Girls
Spring 18	Poster Presentation, The 2018 ACM Philadelphia Region Celebration of Women in Computing PHICWIC 2018, April 20-21, 2018
July 21, 2015	Meeting with Widener Partnership Charter School (WPCS) Assistant Principle Mrs. Jazmin Torres to discuss an opportunity to conduct a workshop for middle school girls from WPCS in Spring 2016
Spring 2015	Poster session at CCSCNE 2015, student presenters: Noella Noel and Tulsi Patel
Spring 2014	Poster session at CCSCNE 2014, student presenters: Kaitlyn Hitchcock and Alexandra Wentzel
Summer 2013	Robotics presentation at local elementary schools. Student presenters: Megan Petrillo, Alyssa Coffey, Melanie Stoy, and Samantha Parker.
Spring 2013	LEGO NXT Robotics project, students Megan Petrillo, Alyssa Coffey, Melanie Stoy, and Samantha Parker
2012	Attending Grace Hopper Celebration of Women in Computing conference with students Melanie Stoy and Samantha Parker
2009	Guest Talk and Computer Science Alumni Presentations in Women in Computing course. Guest Speaker: Dr. Janet Abbate, Virginia Tech. Computer Science Alumni Presenters: Norene Malaney and Michelle Witcofsky.

WIDENER UNIVERSITY SERVICE: PROFESSIONAL DEVELOPMENT OF STUDENTS IN THE FIELD OF COMPUTING

2022	SURCA 22: Student: Brendan Robbins. Project: Exploring Symmetric Key Ciphers.
2021	SURCA 21: Students: Matthew Savela, Dominick Faust, Project: Applications of Python for Computer Forensics
2021	SURCA 21: Student Conrad Howell, Project: Applications of Python for Data Science
2020	Undergraduate research project on Exploring Computer Forensics, Student: Matthew Savela (Recipient of 2020-2021 Faro Research Award)
2019	Undergraduate research project on Exploring Computer Security Labs and Virtual Learning Environments, Student: Cole Bryner (Recipient of 2019-2020 Faro Research Award)
2018	Undergraduate research project on Exploring Cryptology and Cryptanalysis, Student: Cole Bryner (Recipient of 2018-2019 Faro Research Award)
2016-2017	Undergraduate research project on Path to Learning Cryptology, Student: Michael Blithe
Fall 2015	Undergraduate research project on Bin-Packing Problem. Student: Michael Blithe
Fall 2015	Undergraduate research project on Applications of Neural Networks to Steganalysis. Student: Andrew Miller
2014-2015	Undergraduate research project on Steganorgraphy and Steganalysis, students Andrew Miller (Recipient of 2014-2015 Faro Research Award) and Justin Spedding.
Summer 2013	Supervision of the undergraduate research project on bioinformatics. Student: Matthew Babnew
2012	Volunteer as co-advisor of Senior Project for Edwin Dauber and Cesar Osorio
2012	Volunteer as co-advisor of Senior Project for Nathan Carbutt and Ryan Holbein

2011 - 2012	Undergraduate research project on Steganography Algorithms in Java. Student Edwin Dauber, Recipient of 2011-2012 Faro Research Award.
2010 -2011	Undergraduate research project on Flipping Coins over the Phone, Public Key Cryptology Protocol. Student Louis Szgalsky.
2009	Preparation for Programming Contest at 2009 Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE)
2008	Student Ben Ferenchak is working on the project "Exploring Steganography with Java"
2008	Student Trevor Sheehan is working on the project "Exploring Artificial Intelligence with Game of NIM"
2008	Student Kimberly Chiffens is working on the project "Women in Computing"
2008	Coaching programming team of three computer science students: Noah Pascarell, Jason Rudolph, Benjamin Ferenchak
2007	Student Benjamin Ferenchak is working on the undergraduate research project on Power of Randomization in Algorithms
2007	Coaching programming team of three computer science students: Noah Pascarell, Jason Rudolph, Benjamin Ferenchak
2006	Coaching programming team of three computer science students Jesse Jablonski, Noah Pascarell, and Shiva V. Ramasamy
2005	Undergraduate research project on Cryptanalysis of Knapsack Cryptosystems. Student: Jesse Jablonski
2005-2006	Master Thesis Committee Member for Graduate Student in Computer and Software Engineering Ms. Roma Mehta, Advisor: Professor Sheikh
2004	Undergraduate Students Research Meetings: teaching ODE and PDE to the group of CS students: Matthew Melucci, Ben Mitchell, and Brian Carey.

ADDITIONAL WIDENER UNIVERSITY SERVICE

2023 -	Responsible for Computer Science and DMI Instagram account
2014 -	Responsible for Computer Science Department Tutoring
2014 -	Responsible for Computer Science Facebook Page

2014 -	Widener Days and Summer Open Houses, Digital Media Informatics and Computer Science representative
2015 - 2016	Retention of Computer Science Students Initiative
2014 - 2015	Assessment of the Introductory Programming Courses
2011 - 2014	Responsible for Computer Science Department Website
2007 - 2013	Responsible for the Women's Studies Website
2013	Moderator for Science Sessions on Widener University Student Projects' Day
2011	Organizing Science Seminar Talk, Presenter: Vasily Kolchenko, New York City College of Technology, Title: Interdisciplinary Case Study: From Biosensors to Bioinformatics, March 28, 2011.
Fall 2010	Organizing Computer Science Club Alumni Presentations. Presenters: Professor Vasil Hnatyshin, Rowan University, Ben Ferenchak, JP Morgan Chase, Michelle Witcofsky, Agilent Technologies. Supported by Performance and Lecture Series Mini Grant Fall 2010
2009	Faculty Marshall at Commencement
2008 - 2009	Volunteer member of the Women's Studies Committee
2006 - 2009	Responsible for preparation flyers for all Women's Studies events, including Women's History Month
2003 -2009	Computer Science Department ABET Accreditation Preparation