

Kevin A. Wortman

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Academic Posts

Professor, Department of Computer Science, CSU Fullerton, 2022 – present

Associate Professor, Department of Computer Science, CSU Fullerton, 2015 – 2022

Assistant Professor, Department of Computer Science, CSU Fullerton, 2009 – 2015

Education

University of California, Irvine, Ph.D., Information and Computer Science, 2009

University of California, Irvine, M.S., Information and Computer Science, 2004

University of Massachusetts, Amherst, B.S., Computer Science, Mathematics, *cum laude*, 2002

Selected Publications

1. Shekhar Palit and K. A. Wortman, *Perfect Tabular Hashing in Pseudolinear Time*, IEEE 11th Annual Computing and Communication Workshop and Conference (CCWC 2021), Las Vegas, Nevada, 2021.
2. K. A. Wortman and Nicholas Smith, *CombinoChord: A Guitar Chord Generator App*, IEEE 11th Annual Computing and Communication Workshop and Conference (CCWC 2021), Las Vegas, Nevada, 2021.
3. Coleman Nugent and K. A. Wortman, *Crumple Trees*, IEEE 10th Annual Computing and Communication Workshop and Conference (CCWC 2020), Las Vegas, Nevada, 2020.
4. J.R. Richardson and K. A. Wortman, *Street Scanner Geo-Location*, 21st Intelligent Transport Systems World Congress (IST 2014), Detroit, Michigan, 2014.
5. P. Danaee, K. A. Wortman, S. X. Wang, *Pseudoknotted RNA Secondary Structure Detection Using Artificial Neural Network*, 9th International Symposium on Bioinformatics Research and Applications (ISBRA 2013), Charlotte, North Carolina, 2013.
6. J. M. White and K. A. Wortman, *Divide-and-Conquer 3D Convex Hulls on the GPU*, 24th Canadian Conference on Computational Geometry (CCCG 2012), Prince Edward Island, Canada, 2012, pp. 137-142.

7. D. Eppstein and K. A. Wortman, *Optimal Angular Resolution for Face-Symmetric Drawings*, J. Graph Algorithms and Applications (JGAA), v. 15, i. 4, pp. 551-564, 2011.
8. J. Augustine, D. Eppstein and K. A. Wortman, *Approximate Weighted Farthest Neighbors and Minimum Dilation Stars*, Discrete Mathematics, Algorithms and Applications (DMAA), v. 2, i. 4, pp. 553-565, DOI: 10.1142/S17938309100008872010, 2010.
9. M. Dickerson, D. Eppstein and K. A. Wortman, *Dilation, Smoothed Distance, and Minimization Diagrams of Convex Functions*, 7th Int. Symp. Voronoi Diagrams in Science and Engineering (ISVD 2010), Quebec City, Canada, pp. 13-22.
10. D. Eppstein and K. A. Wortman, *Optimal Embedding Into Star Metrics*, Algorithms and Data Structures Symposium (WADS), Banff, Canada (best paper co-award). Lecture Notes in Comp. Sci. 5664, 2009, pp. 290-301.
11. D. Eppstein and K. A. Wortman, *Minimum Dilation Stars*, Computational Geometry: Theory and Applications, v. 37, i. 1, pp. 27-37, 2007.

Teaching

Courses Taught: CPSC 120 Introduction to Programming, CPSC 131 Data Structures Concepts, CPSC 223C C Programming★, CPSC 254 Software Development with Open Source Systems, CPSC 305 Coding for Artists★, CPSC 335 Algorithm Engineering, CPSC 439 Theory of Computation★, CPSC 452 Cryptography, CPSC 481 Artificial Intelligence, CPSC 484 Principles of Computer Graphics, CPSC 535 Advanced Algorithms★, CPSC 597 Project

★ course proposer/developer

Funding

1. *Socially Responsible Computing: Promoting Latinx Student Retention Via Community Engagement In Early CS Courses* (NSF BPC), co-PI, \$299,716.
2. *Street Scanner*, Raytheon Company, PI, 2013, \$25,000.
3. *Funding My Research: A Grant Writing Series*, 2012, \$1,000.
4. *Promoting Undergraduate Research Experiences (PURE) Grant Program*, 2011, \$1,000.

Service

University-Level

1. Academic Master Plan Committee: AY 2015-2016
2. General Education Committee: AY 2016-2017, 2015-2016
3. General Education Task Force: AY 2019-2020, 2018-2019, 2017-2018

4. Promoting Undergraduate Research Experiences Committee (PURE): AY 2010-2011
5. SafeSpace Ally, CSU Fullerton Multicultural Leadership Center: 2009-present
6. Supplemental Instruction (SI) Department Liason: AY 2016-2017, 2015-2016, 2014-2015, 2013-2014

College of Engineering and Computer Science

1. Ad-Hoc Committee: AY 2017-2018
2. Commencement Committee: AY 2012-2013, 2011-2012, 2010-2011, 2009-2010
3. Curriculum Committee: AY 2017-2018, 2016-2017, 2015-2016

Department of Computer Science

1. ACM Student Chapter Advisor: AY 2014-2015, 2013-2014, 2012-2011, 2011-2012
2. Assessment Committee: AY 2022-2023 (chair), 2021-2022 (chair), 2020-2021, 2018-2019, 2017-2018
3. Chair Election Committee Chair: AY 2011-2012
4. Graduate Program Committee: AY 2015-2016, 2014-2015
5. Executive Committee: AY 2012-2013, 2010-2011
6. Personnel Committee: AY 2023-2024, 2022-2023, 2016-2017, 2015-2016
7. Selection (Faculty Search) Committee: AY 2023-2024, 2022-2023, 2015-2016, 2014-2015, 2013-2014
8. Undergraduate Program Coordinator: AY 2017-2018, 2016-2017, 2015-2016, 2014-2015
9. Undergraduate Program Committee: AY 2023-2024, 2022-2023, 2021-2022, 2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2012-2013, 2011-2012, 2010-2011, 2009-2010

Selected Awards

Faculty Advisor of Distinction, CSU Fullerton, March 2018

Faculty Recognition: Outstanding Teaching, CSU Fullerton, March 2014

Faculty Recognition: Scholarly & Creative Activity, CSU Fullerton, March 2013

Outstanding Educator of the Year (College of ECS), Associated Students Inc., AY 2012-2013

Faculty Recognition: Scholarly & Creative Activity, CSU Fullerton, April 2010

Affiliations

Association of Computing Machinery (ACM)