

Kevin A. Wortman

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Education

University of California, Irvine, Ph.D., Information and Computer Science, 2009
Advisor: David Eppstein

University of California, Irvine, M.S., Information and Computer Science, 2004
Concentration: Algorithms and Data Structures

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

Academic Employment

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

Selected Publications

1. K. A. Wortman, A. Gautam, S. Hug, P. Salvador Inventado, A. M. Kazerouni, J. Lehr, K. Sood, Z. Wood, *Reflecting on Practices to Integrate Socially Responsible Computing in Introductory Computer Science Courses*, ACM Technical Symposium on Computer Science Education (SIGCSE TS) 2025, *accepted*.
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. 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.
4. Coleman Nugent and K. A. Wortman, *Crumple Trees*, IEEE 10th Annual Computing and Communication Workshop and Conference (CCWC 2020), Las Vegas, Nevada, 2020.
5. J.R. Richardson and K. A. Wortman, *Street Scanner Geo-Location*, 21st Intelligent Transport Systems World Congress (IST 2014), Detroit, Michigan, 2014.

6. 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.
7. 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.
8. 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.
9. 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. Preliminary version listed as C-??.
10. 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.
11. D. Eppstein and K. A. Wortman, *Minimum Dilation Stars*, Computational Geometry: Theory and Applications, v. 37, i. 1, pp. 27-37, 2007. Preliminary version listed as C-??.

Teaching

Courses Taught at CSU Fullerton: CPSC 120, 131, 223C, 254, 305, 335, 439, 452, 481, 484, 533, 535, 597

Courses Developed

1. CPSC 533 Applied Algorithms, first offered Fall 2024
2. CPSC 535 Advanced Algorithms, first offered Spring 2019
3. CPSC 305 Coding For Artists, first offered Fall 2017
4. CPSC 223C C Programming, first offered Spring 2015
5. CPSC 439 Theory of Computation, first offered Fall 2014
6. CPSC 223P Python Programming, co-proposer, first offered Fall 2012

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.