

# Michael Orsega, PhD

Department of Math and Computing  
University of West Georgia  
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(678) 839-6655  
(updated 1/2024)

## EDUCATION

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PhD: Computer Science  
The University of Tennessee, Knoxville, TN

MAMS: Applied Mathematics, Computer Science Option  
The University of Georgia, Athens, Georgia

BS: Physics  
The Pennsylvania State University, University Park, PA

## TEACHING EXPERIENCE

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### The University of West Georgia

Jan 2019 – present	Graduate Program Coordinator (Computer Science)
Aug 2022 – present	Professor (Computer Science)
Aug 2015 – Aug 2022	Associate Professor (Computer Science)
Aug 2009 – Aug 2015	Assistant Professor (Computer Science)

### Central Carolina Community College

Jun 2002 – Aug 2005	Lead Instructor (Computer Programming)
Aug 2001 – Jun 2002	Full Time Faculty

- Taught seated and online courses
- Created online Associates Degree in Computer Programming Curriculum
- Created Certificate in Computer Game Programming

### North Carolina State University

Jan 2004 – Jun 2004	Adjunct Faculty
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- Taught seated section of CS302 (Data Structures) to upper level CS majors

### The University of Georgia

Aug 2000 – Jun 2001	Instructor of Record
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- Taught CS1301 (Introduction to Programming in Java) to CS undergraduates

## PROFESSIONAL EXPERIENCE

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### Education to Go, Inc.

Author

- Developed four non-credit courses, each of which consists of 3,000 – 5,000 words of original, stand-alone text, exercises, quiz questions and a final exam
- Course subjects in computer programming using C#, Python, and Alice
- Current courses are offered at over 1,900 institutions worldwide
- Over 40,000 students have enrolled in these courses

## **PUBLICATIONS**

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- Corley, J., Stanescu, A., Baumstark, L., **Orsega, M.** (2020). Paper Or IDE?: The Impact of Exam Format on Student Performance in a CS1 Course. In *Proceedings of the 51st ACM Technical Symposium on Computer Science Education (SIGCSE '20)*. ACM, New York, NY, USA, 706-712.
- Baumstark, L., **Orsega, M.** (2016). Quantifying introductory CS students' iterative software process by mining version control system repositories. *Journal of Computing Sciences in Colleges*. 31 (6), 97-104.
- Taylor, E., Skinner, C., McCallum, E., Poncy, B., **Orsega, M.** (2013). Enhancing Basic Academic Skills with Audio-Recordings. *Educational Research Quarterly*, 27(2):22-60.
- Yaw, J., Skinner, C., **Orsega, M.**, Parkhurst, J., Booher, J., Chambers, K. (2012). Evaluating a Computer-Based Sight-Word Reading Intervention in a Student with Intellectual Disabilities. *Journal of Applied School Psychology*, 28(4):354-366.
- Orsega, M.**, Vander Zanden, B., Skinner, C. (2012). Experiments with Algorithm Visualization Tool Development. In *Proceedings of the 43rd ACM Technical Symposium on Computer Science Education (SIGCSE '12)*. ACM, New York, NY, USA, 559-564.
- Orsega, M.**, Vander Zanden, B., Skinner, C. (2011). Two Experiments using Learning Rate to Evaluate an Experimenter Developed Tool for Splay Trees. In *Proceedings of the 42nd ACM Technical Symposium on Computer Science Education (SIGCSE '11)*. ACM, New York, NY, USA, 135-140.

## **CONFERENCE PRESENTATIONS**

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- Orsega, M.** and Baumstark, L. (2017). The Use of Version Control in CS2. Presentation at ACM-MidSoutheast Conference, Gatlinburg, TN.
- Orsega, M.**, Wilson, C., Gunter, N. (2014). Measuring Effects on Problem Completion Time when Interspersing Brief Problems within Target Problem Sets for Multiplication Practice. Presentation at Mid-South Educational Research Association, Knoxville, TN.
- Orsega, M.**, Carlson, T., Siver, D. (2012). Using Undergraduates to Build an Animated Flash Tutorial for CS1. Presentation at ACM-MidSoutheast Conference, Gatlinburg, TN.
- Orsega, M.** (2010). Sketchmate: An Instructional Tool for Splay Trees. Presentation at ACM-MidSoutheast Conference, Gatlinburg, TN.
- Fuller, E., Krohn, K., **Orsega, M.**, Skinner, C. Williams, J. (2009). The effects of Pacing on Academic Performance in Elementary School Students. Presentation at National Association of School Psychologists Annual Conference, Boston, MA.
- Doctoral Consortium Participant (2008). ACM Special Interest Group on Computer Science Education (SIGCSE) Annual Conference, Portland, OR.
- Doctoral Consortium Participant (2007). ACM Special Interest Group on Computer Science Education (SIGCSE) Annual Conference, Covington, KY.
- Orsega, M.** (2006). Making the Most of Java 1.5. Presentation at Course Technology – The Conference 2006, San Francisco, CA.
- Orsega, M.** (2005). Making Programming Fun with Mobile Devices. Presentation at Course Technology – The Conference 2005, Orlando, FL.

**Orsega, M** (2005). Java 1.5 – The New Java. Presentation at Course Technology – The Conference 2005, Orlando, FL.

**Orsega, M** (2002). An Introduction to Programming in Java. Presentation at North Carolina Computer Instructors Association (NCCIA) Spring 2002 Conference, Morehead City, NC.

## **GRANTS**

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- 2015 UWG Faculty Research Grant, "Best Practices for Developing a Web Application to Enhance Basic Math Education", \$550
- 2014 UWG Institutional STEM Excellence (UWise) Mini Grant, "The Use of Video Lessons to Supplement In-class Lectures", \$6,500
- 2014 UWG Faculty Research Grant, "Developing a Web Application to Enhance Basic Math Education", \$1,250
- 2013 UWG Student Research Assistant Program, "Evaluating Instruction using Custom-Built Tutorials", \$2,000
- 2013 UWG Faculty Research Grant, "Investigating the Use of Technology to Enhance Student Learning", \$550
- 2012 UWG College of Science and Mathematics Grant Development Initiative, "Investigating the Use of Technology to Enhance Student Learning", \$2,500
- 2012 UWG Institutional STEM Excellence (UWise) Mini Grant, "Improving Instruction and Enhancing Student Success in STEM Disciplines", \$7,500
- 2012 UWG Student Research Assistant Program, "Evaluating Instruction using ASP", \$2,000
- 2012 UWG Faculty Research Grant, "Investigating Techniques to Help Increase Student Persistence When Working Homework Exercises", \$675
- 2011 UWG Faculty Research Grant, "Increasing Student Persistence with Math Problems", \$1,309.50
- 2011 UWG Institutional STEM Excellence (UWise) Mini Grant, "Developing Flash Video Tutorials", \$7,500

## **PROFESSIONAL CERTIFICATIONS**

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- Oracle Certified Professional, Java SE11 Developer, 2021
- Oracle Certified Master, Java Programming SE6 Developer, 2014
- Oracle Certified Professional, Java SE6 Programmer, 2011

## **AWARDS**

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- 2017 Outstanding Graduate Teacher of the Year, UWG Computer Science Department
- 2015 COSM Nominee for Regent's Teaching Excellence Award for Online Teaching
- 2014 Outstanding Graduate Teacher of the Year, UWG Computer Science Department
- 2012 Outstanding Undergraduate Teacher of the Year, UWG Computer Science Department
- 2008 The University of Tennessee Citation for Extraordinary Professional Promise Graduate
- 2006 Teaching Assistant of the Year, The University of Tennessee