

Department of Computer Science

ISSUE 21, FALL 2016



Chair's Corner

Greetings! Our department is offering a new course in Parallel Computing using several high-end GPUs we received through an NVIDIA grant. This class is offered in part as a requirement for the new Computational Engineering Science minor. Dr. Jim Kirk is taking a sabbatical in 2016-17 to do research in machine learning and big-data. We are proud to share that Professor Tracy, Union's

Web Development Agent who teaches our 2-semester web classes, was voted as Staff of the Year. Finally, our second departmental lab received a much-needed overhaul and now has 4 times the number of workstations.

Blessings,
G. Jan Wilms



UNION UNIVERSITY
DEPARTMENT of COMPUTER SCIENCE

EXCELLENCE-DRIVEN CHRIST-CENTERED PEOPLE-FOCUSED FUTURE-DIRECTED

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CSC Colloquiums (2015-16)

Dr. Jan Wilms "Augmenting
Tegrity Lecture Recordings with a PIP
Video Stream of Roaming Instructor"

Dr. Jim Kirk "Introducing
Machine Learning to Undergraduate
Programmers"

Student News

Matthew Mathis accepted an internship with Steele Martin Jones and Company PLC, Jackson, TN.

Lance Dell completed a summer internship at Teknor Apex, Brownsville, TN

Jacob Parke and **Jacob Cronin** completed summer internships at Onlife Health, Brentwood TN

ACM

The ACM Chapter at Union University is an official affiliate of ACM, the world's largest educational and scientific computing society. Union's ACM chapter was established in 1994.



ACM Officers 2016-2017

ACM Advisor – Dr. Haifei Li
ACM Co-Advisor – Dr. Stephanie Edge
President – Lance Dell
Vice President – Joshua Stucky
Vice President – Hudson Peden
Treasurer – Matthew Mathis
Secretary – Jacob Laster

Scholarship Symposium Presentations

Hand Free Gaming Using Glass, *by Skylar Argo*

An Exploration of Procedural Generation, *by Reed McLean*

Vehicle Maintenance Application for JEA, *by Ryan Shaw*

Showcasing the Unreal Engine 4 through 3D Game Development, *by Ian Wilder*

Pinball Game in HTML5 and JavaScript, *by Samuel Wills*



Scholarships and Awards

Donations to help these funds grow are much appreciated!

Reed McLean *Academic Excellence Medal, The Bill Truex Award in Computer Science*

William Riggs *First Year Programming Award*

Joshua Stucky *Outstanding Research Award from the Center for Scientific Studies*

Samuel Wills *First Place in Major Field Achievement Test*

Peyton Woods *The Dr. Joe Tucker Scholarship Award*

Tracy Wins Union's Staff Member of the Year

Our own Cam Tracy recently won the 2015-2016 Gary Carter Staff Member of the Year at this year's Awards Day. While Tracy has been teaching web development classes in the Computer Science department since 2000, his full time job is to develop the university's website as a part of the Office of University Communications. This award came in the year of the successful launch of Union's fifth website design since its initial launch in 1995. Tracy often describes the mixture of teaching and practical application as his "dream job."

Tracy is a 1993 Union graduate who also earned a M.S. from Florida State University. He provides leadership for the Union Student Film Festival and serves as historian/webmaster for the Baptist Communicators Association. Tracy is a member of Calvary Baptist Church where he serves as a deacon and sings baritone in the choir.





Graduates

LEFT TO RIGHT

Ian Wilder (2016): Junior Software Developer, Southwestern Baptist Theological Seminary, Fort Worth, TX
Read McLean (2016): Software Developer, Onlife Health, Brentwood, TN
Ryan Shaw (2016): Service Desk Analyst, Kirkland's, Jackson, TN

Graduates hold positions at

Acxiom, Ascension Health Information Services, Aspect Security, Aprimo, AutoZone, Asentinel Belvedere Trading, Benefit Communications, BMC Software, BrickWire, Booz Allen Hamilton, Cerner Corporation, Education Networks of America, Deitek Inc., Enterprise Solutions, Ericsson, eviCore Healthcare, Field Nation, Franklin American Mortgage Company, Garmin International Inc., Global Client Solutions, Global Cloud Ltd., HAP Innovations LLC, HCI Supply, Housing Authority, Jackson Madison County Schools, IBM UrbanCode, Ingram Book Company, Iowa State University, iPro Systems, Logical Systems Inc., Kirkland's, Lutheran Senior Services, Marcone, Mid-America Apartment Communities, Modern Telephone Systems, Nash Finch Company, National Security Agency, Nerdvana, Professional IT Management, Pictsweet, Pomeroy IT Solutions, PureSafety, SandStorm IT, SATO, Sedgwick CMS, SG Technology, Simpson Strong-Tie, Sprint, Stanley Black & Decker Inc., State of Tennessee, SwiftLink, Tennessee Independent Colleges and Universities Association, The Aricent Group, Transformations Inc., Twyla Inc., Xerox, Younger Associates, Webtec

Alumni News

Job Updates for Alumni

Toyin Adedokun (2010): Senior Software Engineer, Intuit, San Francisco, CA
David Clark (2014): Software Developer, Logical Systems LLC., Jackson, TN
Daniel Green (2005): Director of Product Analytics, VitalSource Technologies, Nashville, TN
Ben Joyce (2012): AutoZone, Memphis, TN
Daniel Laughlin (2010): Senior Business Application Analyst, FedEx, Memphis, TN
Andrew Moore (2012): Development Team Lead, Franklin American Mortgage Company, Franklin, TN
Aaron Parke (2015): Web Developer, State of Tennessee, Nashville, TN
Cullen Sanderson (2014): Associate Solutions Analyst at FedEx, Memphis, TN
Jeremy Sims (2012): Software Engineer II at 8th Day Software, Jackson, TN
Cody Tinsley (2015): Associated Security Engineer, CHS, Franklin, TN
Thomas Trabue (2015): Cryptologic Computer Scientist at United States Department of Defense, Elkridge, Maryland

Jones Wins G.M. Savage Legacy Award

Following the innovative design and successful relocation off the new Hundley Center for Academic Enrichment, Computer Science alum Reneé Jones received the 2016 GM Savage Legacy Award, which is presented annually at Homecoming to the staff member who best exemplifies ongoing dedication to Christ-centered education at Union University. Jones has served at Union for 15 years, previously as the assistant director of the Vocatio Center for Life Calling and Career and presently as the director of the Hundley Center. Her dedication to "no excuses" excellence and demonstrated grace inspires students, as well as the Hundley Center and its staff, to go higher and achieve greatness in Him.

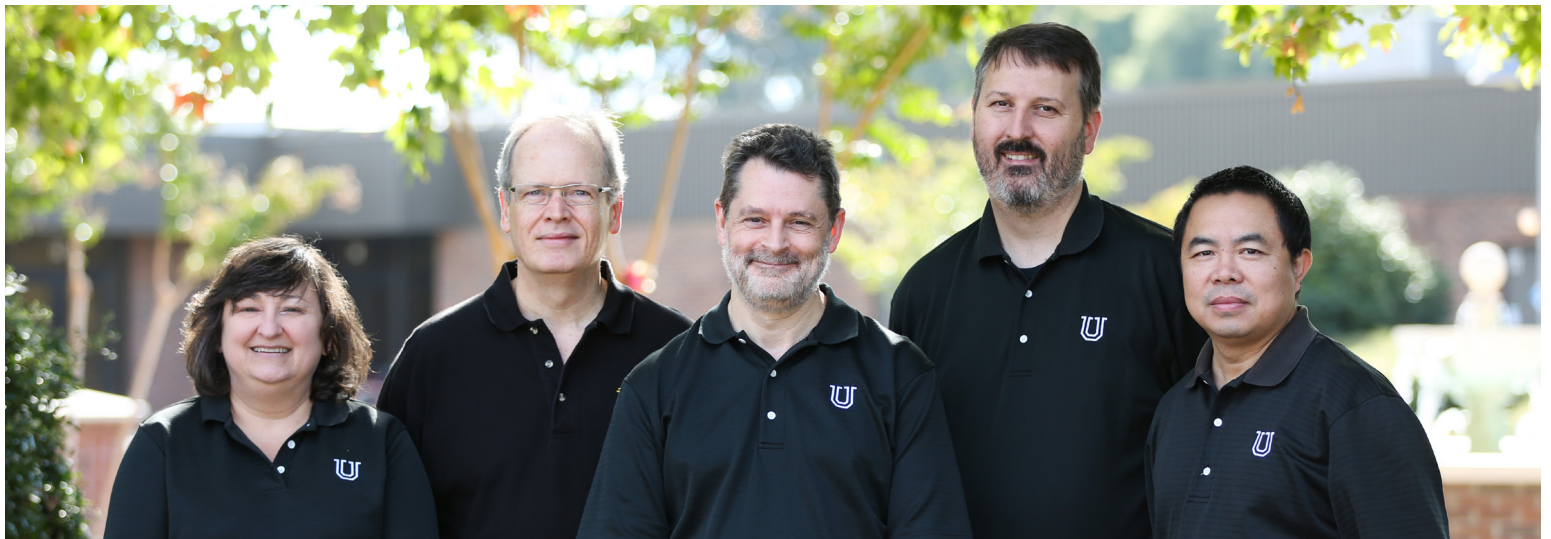


Jones is a 2003 Union graduate, and she also earned her MBA from Union. She is currently a doctoral student in Union's Ed.D. program. In addition, she is a member of and leader for New Vision Church, under her husband, Paul, who is also Union student, serves as pastor. She is the mom to Paul, Jr. and Ethan. In her leadership role at her church, she serves over the Women's department (Women of Vision), Education department (Vision Leaders), counseling, training and development and wherever her hands and talents can be used to glorify God.



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Meet the Faculty

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