

## Mark S. Sherriff

Associate Professor, Academic General Faculty  
Department of Computer Science

### (a) UVA and Previous Professional Appointments

August 2013 – Associate Professor, Academic General Faculty  
Department of Computer Science, UVA  
August 2010 – reappointed as Assistant Professor, Academic General Faculty  
Department of Computer Science, UVA  
August 2007 – Assistant Professor, Academic General Faculty  
Department of Computer Science, UVA

### (b) Undergraduate and Graduate Degrees and Postdoctoral Training

#### North Carolina State University, Raleigh, NC

*Doctor of Philosophy, Computer Science*  
August 2002 – August 2007

Advisor: Dr. Laurie Williams

Topic: Analyzing Software Artifacts through Singular Value Decomposition to Guide Development Decisions

#### North Carolina State University, Raleigh, NC

*Master of Science, Computer Science*  
August 2002 – May 2004

Advisor: Dr. Laurie Williams

Topic: Estimating Software Reliability in a Haskell Programming Environment

#### Wake Forest University, Winston-Salem, NC

*Bachelor of Science, Computer Science with Honors, Cum Laude*  
August 1998 – May 2002

Advisor: Dr. Jennifer Burg

Honors Topic: Unix Tutorials to Move Students from PC/Windows to Unix

### (c) Honors and Awards Received

#### Major Awards

2016 IEEE Computer Society Computer Science and Engineering Undergraduate Teaching Award  
(international professional society award)

*Citation: "For outstanding contributions to undergraduate computer science education through innovative teaching and commitment to increasing enrollment and diversity in computer science programs."*

2014 UVA All-University Teaching Award

2010 UVA School of Engineering and Applied Science Hartfield-Jefferson Scholars Teaching Prize (first year ever awarded)

#### Organization Awards

2012 UVA Association for Computing Machinery Computer Science Professor of the Year

2011 Trigon Engineering Society Thomas E. Hutchinson Faculty Award Winner

2010 UVA Association for Computing Machinery Computer Science Professor of the Year

2010 Trigon Engineering Society Thomas E. Hutchinson Faculty Award Finalist

### (d) Publications and Scholarly Work

#### Archival peer reviewed journal articles

None.

#### Archival peer reviewed conference proceedings

**Sherriff, M.** and Floryan, M. "Achievement Unlocked: Investigating Which Gamification Elements Motivate Students." *The 23rd ASEE Annual Conference and Exposition, New Orleans, LA, June 24-27, 2016.* (Acceptance Rate: 60%)

Al-Zubidy, A., Carver, J., Heckman, S., **Sherriff, M.** "A (Updated) Review of Empiricism at the SIGCSE Technical Symposium." *The 47<sup>th</sup> ACM Technical Symposium on Computer Science Education*, Memphis, TN, Mar 3-6, 2016. pp. 120-125. (Acceptance Rate: 34%)

Bloomfield, A., **Sherriff, M.**, and Williams, K. "A Service Learning Capstone Practicum." *The 45<sup>th</sup> ACM Technical Symposium on Computer Science Education*, Atlanta, GA, Mar 5-8, 2014. pp. 265-270. (Acceptance Rate: 34%)

Layer, M., **Sherriff, M.**, and Tychonievich, L. "Inform, Experience, Implement—Teaching an Intensive High School Summer Course." *42<sup>nd</sup> IEEE/ASEE Annual Frontiers in Education (FIE) Conference*, Seattle, WA, Oct 3-6, 2012. pp. 1-6. (Acceptance Rate: 43%)

**Sherriff, M.** "Teaching Web Services and Service-Oriented Architecture using Mobile Platforms." *40<sup>th</sup> IEEE/ASEE Annual Frontiers in Education (FIE) Conference*, Washington DC, Oct 27-30, 2010. pp. S2D1-S2D6. (Acceptance Rate: 45%)

Krogius, O., Horton, T., and **Sherriff, M.** "Role of Large Software Artifacts in Introductory Computer Science Courses." *40<sup>th</sup> IEEE/ASEE Annual Frontiers in Education (FIE) Conference*, Washington DC, Oct 27-30, 2010. pp. T1D1-T1D5. (Acceptance Rate: 45%)

Lew, M., Horton, T., and **Sherriff, M.** "Using LEGO MINDSTORMS NXT and LEJOS in an Advanced Software Engineering Course." *The 23<sup>rd</sup> Annual IEEE-CS Conference on Software Engineering Education and Training*, Pittsburg, PA, Mar 9-12, 2010. pp. 121-128. (Acceptance Rate: 37%)

Sennett, J. and **Sherriff, M.** "Compatibility of Partnered Students in Computer Science Education." *The 41<sup>st</sup> ACM Technical Symposium on Computer Science Education*, Milwaukee, WI, Mar 10-13, 2010. pp. 244-248. (Acceptance Rate: 34%)

Dysart, F. and **Sherriff, M.** "Automated Fix Generator for SQL Injection Attacks." Student Paper. *The 19<sup>th</sup> IEEE International Symposium on Software Reliability Engineering*, Redmond/Seattle, WA, Nov 11-14, 2008. pp. 311-312. (Acceptance Rate: 25%)

**Sherriff, M.** and Williams, L. "Empirical Software Change Impact Analysis using Singular Value Decomposition." *First IEEE International Conference on Software Testing, Verification, and Validation*, Lillehammer, Norway, April 9-10, 2008. pp. 268-277. (Acceptance Rate: 27%)

**Sherriff, M.**, Lake, J. M., and Williams, L. "Prioritization of Regression Tests using Singular Value Decomposition with Empirical Change Records." *The 18<sup>th</sup> IEEE International Symposium on Software Reliability Engineering*, Trollhättan, Sweden, Nov 5-9, 2007. pp. 81-90. (Acceptance Rate: 25%)

**Sherriff, M.**, Heckman, S. S., Lake, J. M., and Williams, L. "Identifying Fault-Prone Files Using Static Analysis Alerts Through Singular Value Decomposition." *17<sup>th</sup> Annual International Conference of the IBM Center for Advanced Studies*, Richmond Hill, Ontario, Oct 22-25, 2007. pp. 276-279. (Acceptance Rate: 27%)

**Sherriff, M.**, Heckman, S. S., Lake, J. M., and Williams, L. "Using Groupings of Static Analysis Alerts to Identify Files Likely to Contain Field Failures." Short Paper. *The 6<sup>th</sup> joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering*, Dubrovnik, Croatia, Sept 3-7, 2007. pp. 365-368. (Acceptance Rate: 22%)

**Sherriff, M.** and Williams, L. "DevCOP: A Software Certificate Management System for Eclipse." *17<sup>th</sup> Annual IEEE International Symposium on Software Reliability Engineering*, Raleigh, North Carolina, Nov 6-10, 2006. pp. 375-384. (Acceptance Rate: 25%)

**Sherriff, M.** and Williams, L. "A Method for Verification and Validation Certificate Management in Eclipse." *Workshop on Software Certificate Management*, Long Beach, California, Nov 8, 2005. pp. 19-22.

**Sherriff, M.** and Williams, L. "Certification of Code During Development to Provide an Estimate of Defect Density." Fast Abstract. *The 16<sup>th</sup> IEEE International Symposium on Software Reliability Engineering*, Chicago, Illinois, Nov 8-11, 2005. pp. 447-448. (Acceptance Rate: 25%)

**Sherriff, M.** "Using Verification and Validation Certificates to Estimate Software Defect Density." Doctoral Symposium. *ACM Symposium on the Foundations of Software Engineering*, Lisbon, Portugal, Sept 6, 2005. pp. 381-384.

**Sherriff, M.**, Nagappan, N., Williams, L., and Vouk, M. "Early Estimation of Defect Density Using an In-Process Haskell Metrics Model." *The First International Workshop on Advances In Model-Based Software Testing, co-located with the IEEE International Conference on Software Engineering*, St. Louis, MO, May 15-16, 2005. pp. 1-6.

**Sherriff, M.** and Williams, L. "Tool Support for Estimating Software Reliability in Haskell Programs." Student Paper. *The 15<sup>th</sup> IEEE International Symposium on Software Reliability Engineering*, St-Malo, France, Nov 2-5, 2004. pp. 61-62. (Acceptance Rate: 25%)

**Sherriff, M.**, Williams, L., and Vouk, M. "Using In-Process Metrics to Predict Defect Density in Haskell Programs." Fast Abstract. *The 15<sup>th</sup> IEEE International Symposium on Software Reliability Engineering*, St-Malo, France, Nov 2-5, 2004. pp. 19-20. (Acceptance Rate: 25%)

Burg, J., and **Sherriff, M.** "Unix Tutorials to Move Students from PC/Windows to Unix." *AACE ED-MEDIA 2002 Conference*, June 30, 2002. pp. 1798-1799. (Acceptance Rate: 30%)

### **Books**

None.

### **Book chapters**

None.

### **Other Peer Reviewed Work**

#### Workshops

Carver, J., Heckman, S., and **Sherriff, M.** "Designing Empirical Education Research Studies (DEERS): Creating an Answerable Research Question." 49th ACM Technical Symposium on Computer Science Education, Baltimore, MD, February 21-24, 2018.

Carver, J., Heckman, S., and **Sherriff, M.** "Designing Empirical Education Research Studies (DEERS): Creating an Answerable Research Question." 48th ACM Technical Symposium on Computer Science Education, Seattle, WA, March 8-11, 2017.

Heckman, S., Horton, T., and **Sherriff, M.** "Teaching Second-Level Java and Software Engineering with Android." 24th IEEE Conference on Software Engineering Education and Training 2010, Honolulu, Hawaii, May 2011.

#### Nifty Assignments<sup>1</sup>

Tychonievich, L, **Sherriff, M.**, and Layer, R. "Counting Rooms." Nifty Assignments Panel, SIGCSE 2015, Kansas City, MO, March 2015.

**Sherriff, M.** "Encryption Chase – Assignment for CS2." Nifty Assignments Panel, SIGCSE 2010, Milwaukee, Wisconsin, March 2010.

### **(e) H-index and Citation Count via Google Scholar**

H-index: 9

Citations: 375

### **(f) List of Graduate Students Directed**

N/A – Academic General Faculty with primary focus in teaching

### **(g) List of Undergraduate Student Researchers**

#### Fall 2018 – Spring 2019 (4)

Courtney Carpenter – Effect of Specification Grading on Software Engineering Courses

Kai Ming Chang – VR Music

Tom Heatwole – Developing a New Software Engineering Course

Mac Sochor – Tool Support for Specification Grading

#### Fall 2017 – Spring 2018 (2)

Lane Spangler – VR Music

Kai Ming Chang – VR Music

#### Fall 2016 – Spring 2017 (3)

Cameron Blanchford – XP Systems for Gamified Courses

Qian Xiang – Competition in Gamification Courses

---

<sup>1</sup> Nifty Assignments are recognized as exemplary CS assignments each year at the SIGCSE Symposium and can be found at <http://nifty.stanford.edu/>.

Isaac Tessler – Teaching with Various Fidelities of Virtual Reality  
(Also other members of the Game Design Research Group with Prof. Mark Floryan)

Fall 2015 – Spring 2016 (3)

Cameron Blanchford – XP Systems for Gamified Courses  
Qian Xiang – Competition in Gamification Courses  
Isaac Tessler – Teaching with Various Fidelities of Virtual Reality  
(Also other members of the Game Design Research Group with Prof. Mark Floryan)

Fall 2014 – Spring 2015 (2)

Jennifer Lu – Gamification in Education  
Anna Greene – Gamification in Education  
(Also other members of the Game Design Research Group with Prof. Mark Floryan)

Fall 2013 – Spring 2014 (3)

Dru Knox – Software Maintenance Lifecycles with Non-Profit Software Systems  
Travis Pennetti – Educational Video Games  
Connie Xie – Automated Quadcopters with Android Devices

Fall 2012 – Spring 2013 (5)

Michael Legore – Software Maintenance Lifecycles with Non-Profit Software Systems  
Daniel Miller – Visualizing UVa Enrollment Trends  
Amanda Ray – Efficient User Interfaces for Aiding Students with Enrollment  
Hunter Williams – Automated Quadcopters with Android Devices  
Samuel Wilson – Automated Quadcopters with Android Devices

Fall 2011 – Spring 2012 (8)

Alex Johnson – Software for Non-Profit Organizations  
Matt Russell – Software for Non-Profit Organizations  
Erik Davis – An Evaluation of Python as an Effective CS1 Language  
Harry Bowron – Open-source Software for Teaching Chemistry  
Navid Hosseini – A More Cost-Effective Unattended Ground Sensor Using COTS Products  
Manuel Cordovez (SIE) – A More Cost-Effective Unattended Ground Sensor Using COTS  
Katie Hempenius (SIE) – A More Cost-Effective Unattended Ground Sensor Using COTS  
Reed Wilson (ECE) – A More Cost-Effective Unattended Ground Sensor Using COTS Products

Fall 2010 – Spring 2011 (11)

Jared Harding – Mobile HCI for Course Selection  
Calvin Li – Voice Interface for Portable Learning  
George Washington – Voice Interface for Portable Learning  
Bennett Sorbo – CavDaily Advertising  
Nikhita Karki – Scheduling System for Student Volunteers at UVa Hospital  
Daniel Magnusson – Motion Sickness with Video Games  
Kevin Leach – Prescription Databases  
Michale Devine – Generating Music and Art using Microsoft Kinect  
Olex Ponomarenko – Generating Music and Art using Microsoft Kinect  
Derrick Brameyer – Agile Development in Student Projects (Ind. Study)  
Alan Kush – Agile Development in Student Projects (Ind. Study)

Fall 2009 – Spring 2010 (9)

Matt Beattie – Bluetooth Identification for Vehicles  
Ryan Grigsby – Security for Emergency Announcement Systems  
Joshua Joyner – Lego Mindstorm NXT Sensor Simulation  
Seth Micalizzi – Mobile GPS Social Applications  
Charles Plucker – Mobile Virtual Reality  
Emma Rosenfeld – Teaching Time Concepts to Early Elementary Students  
John Szmuski – Bluetooth Identification for Vehicles  
Steven Trombetta – PairEval v2.0  
Jessica Vasconcellos^ – Student timecard system for Newcomb Hall

Fall 2008 – Spring 2009 (4)

Jeffery Gaither – Web Software Source Control Management and Users  
Michael Miller – An Analysis of Static Metrics in Open-Source Software Projects  
Benjamin Plunkett – UVaCollab: Compliance with FERPA  
Joshua Sennett – Compatibility of Partnered Students in Computer Science Education

Fall 2007 – Spring 2008 (4)

Eric Bradbury – A New Paradigm for Tutoring at the School of Engineering and Applied Science  
Fred Dysart – PHP Based Automated Fix for SQL Injection Attacks  
Maureen Maughn – Web-Based Kennel System in PHP and MySQL  
Danny Shih – Integrated Querying in C# using Microsoft LINQ

**(h) List of Visitors and Postdoctoral Fellows Supervised**

None

**(i) External research grants and contracts, either awarded or currently under review**

EN-CS NSF Showcase for DUE Projects at the ACM SIGCSE Symposium, (NSF DUE 1841616, \$68k, 9/18 – 9/19), Mark Sherriff (PI) and Aaron Bloomfield (Co-PI). The NSF Showcase at the ACM SIGCSE Symposium has been an ongoing project for over a decade. The core purpose of the project is to provide an opportunity for grant recipients from the National Science Foundation's Division of Undergraduate Education to present their projects at other times and in different ways than when final results are ready. Specifically, the Showcase allows grant recipients to circulate their ideas, get feedback, recruit collaborators and adopters, and consult with program officers much earlier in the project cycle, providing crucial insights that improve the likelihood of the projects succeeding and the findings being disseminated. The purpose of this proposal is to continue running the NSF Showcase at the next four SIGCSE Symposiums, from 2019-2022. Over the years that the NSF Showcase has been running, it has become a staple in the computer science education community at the SIGCSE Symposium, the largest gathering of CS educators annually, with over 1500 attendees in 2018. Participants in the Showcase routinely report in our evaluations that the Showcase had a significant impact on their work and helped them move their research forward. Attendees to the Showcase enjoy seeing what work is being supported by NSF DUE and often take advantage of the program officer "office hours" that are organized during the symposium. With space set aside for program officers to hold one-on-one meetings, potential grant writers and current PIs can meet and receive feedback from NSF staff. We believe that the Showcase has provided an important service to the CS education community and the SIGCSE Symposium through these opportunities and we are eager to continue offering it into the future.

NSF Showcase for DUE Projects at the ACM SIGCSE Conference, (NSF DUE 1748090, \$48k, 9/17 – 9/18), Mark Sherriff (PI) and Aaron Bloomfield (Co-PI). This extension grant was awarded to supplement the NSF Showcase at the SIGCSE Symposium for an extra year to bridge between the previous grant and the upcoming grant cycle. See the information below regarding the purpose of the NSF Showcase.

Collaborative Research: Transforming Computer Science Education Research Through Use of Appropriate Empirical Research Methods: Mentoring and Tutorials, (NSF DUE 1525028, \$1.35M Collaborative Grant w/ \$125k for UVA, 9/15 – 9/20), Mark Sherriff (Co-PI), Jeffery Carver (Alabama, Co-PI), Sarah Heckman (NC State, Co-PI). The goal of this project is to transform empirical CSEd research by building and supporting a community of CSEd researchers through: (1) creation and curation of laboratory packages to facilitate empirical CSEd research, (2) facilitation of cohorts of 10-12 educators who are mentored in developing and executing an empirical CSEd research study and (3) development and presentation of tutorials on empirical research methods at CSEd conferences. Laboratory packages are aids that provide researchers with a driving research question, a methodology for designing and executing a study, tools and resources to replicate the study, and results of previous related studies. The cohorts will have a more-focused interaction during a summer session to develop a study with a follow-up workshop to report and discuss results. Finally, the tutorials allow for broader dissemination of the key concepts of empirical CSEd research to the larger community.

Showcase for NSF DUE Projects at the ACM SIGCSE Conferences, (NSF CCLI phase I grant 1341292, \$289k, 10/13 - 9/17), Mark Sherriff (PI) and Aaron Bloomfield (Co-PI). The purpose of this grant is to disseminate information on current NSF projects on the computer science education at the annual SIGCSE conference, and to help educate potential grant applicants on the process of designing and authoring NSF grant proposals. This is intended to enhance the long-term quality and quantity of computer science education activities.

Showcase for NSF DUE Projects at the ACM SIGCSE Conferences, (NSF CCLI phase I grant 1053524, \$178k, 8/10 - 8/13), Mark Sherriff (PI) and Aaron Bloomfield (PI). The purpose of this grant is to disseminate information on current NSF projects on the computer science education at the annual SIGCSE conference, and to help educate

potential grant applicants on the process of designing and authoring NSF grant proposals. This is intended to enhance the long-term quality and quantity of computer science education activities.

*Motorola Droid Phones for Teaching Web Services*, (Google University Relations, \$14k in mobile phones, 3/10), Mark Sherriff and Tom Horton. The purpose of this award is to introduce mobile phone technologies at various levels in the UVa CS curriculum.

*Google TVs for Teaching Web Services*, (Google University Relations, 2 Google TV devices, 4/10), Mark Sherriff and Tom Horton. The purpose of this award is to supplement Android technologies at various levels in the UVa CS curriculum.

**(j) Keynotes and Invited Presentations**

Keynotes

**Sherriff, M.** "The Role of Computer Science in Engineering Education." Interdisciplinary Engineering Design Education Conference (IEDEC), Santa Clara, CA, March 3, 2014.

Invited Presentations

**Sherriff, M.** "Why are we engineers?" Trigon Engineering Fraternity Thomas E. Hutchinson Faculty Award Dinner, January 2014.

**Sherriff, M.** "Introductory Computing Across Engineering Disciplines." National Academy of Engineering – Frontiers of Engineering Education. Irvine, CA, Oct 2013.

**Sherriff, M.** "Teaching Faculty Birds of a Feather." ACM SIGCSE – 2013 symposium through present.

**Sherriff, M.** "Six Strikes." Look Hoo's Talking 2013. Lecture series hosted by UVa Student Council. University of Virginia, March 28, 2013.

**Sherriff, M.** "The Battle for Your Entertainment – The Internet, SOPA, and Censorship." The Jefferson Literary and Debating Society, University of Virginia, February 3, 2012.

**Sherriff, M.** "DevCOP – A Software Certificate Management System for Eclipse." Portland State University, Portland, OR, May 26, 2006.

**Sherriff, M.** "Defect Density Estimation Through Verification and Validation." The 6th Annual High Confidence Software and Systems Conference, Lithicum Heights, MD, April 17-19, 2006.

**(k) Patents and Copyrights**

None.

**(l) Internal Service and Leadership at UVa**

Department of Computer Science

- Founding Director, Center for Innovation in Computing Education and Outreach (2017-present)
- Chair, CS 2020 Curriculum Redesign Committee (2015-present)
- Chair, Undergraduate Curriculum Committee (2011-2018)
- CS Undergraduate TA Hiring Coordinator (2007-present)
- CS Undergraduate Research Matching Coordinator (2010-2018)
- Academic General Faculty Hiring Committees (multiple times)
- Advisor, Student Game Developers Club (2009-present)
- Undergraduate Advisor (approx. 45 majors per year)

School of Engineering and Applied Science

- Chair, SEAS Undergraduate Curriculum Committee (2013-2018; member since 2010)
- Chair, SEAS Undergraduate Committee on Academic Standards (2016-2018)
- SEAS General Faculty Committee (2010-present)
- SEAS Student Affairs Committee (2010-2016)
- Orientation Advisor (2008-present)

University of Virginia

- UVA Academy of Teaching (2013-2018)

- University eText Pilot Advisory Committee (2012-2013)
- Panelist for Academic Forum for Board of Visitors (Dec 2017)

**(m) List of professional services, identifying leadership roles in service assignments such as conference organizer roles and journal editorial board**

Highlights of Significant Service to ACM Special Interest Group on Computer Science Education (SIGCSE)

- Symposium Co-Chair (SIGCSE 2020 & SIGCSE 2021)
  - The SIGCSE Symposium is a 1700+ person, \$700K budget conference and is the premiere venue for CS education research and practice.
  - The Symposium Co-Chair is responsible for the overall logistics of the conference, including putting together the conference committees, working with the symposium venue, finding the keynote speakers, and ensuring that the conference runs successfully.
- Symposium Associate Program Chair (SIGCSE 2017-2019)
- Symposium Birds-of-a-Feather Program Co-Chair (SIGCSE 2019)
- Symposium Webmaster (SIGCSE 2018 - <https://sigcse2018.sigcse.org/>)
- Symposium Database Co-Chair (three-year appointment, 2018-2020; responsible for submission systems and conference mobile app)
- NSF Showcase Organizer (SIGCSE 2008-present)
- Reviewer (SIGCSE 2008-present)

Journal Guest Editor

- ACM Transactions on Computing Education (TOCE) – Special Issue on Capstone Projects, Volume 18 Issue 2, July 2018 - <http://doi.acm.org/10.1145/3229882>

Computing Research Association

- CRA Committee on Best Practice for Teaching Faculty at Research Universities – helped create a nation “best practices” memo on career conditions for teaching-track faculty - <https://cra.org/teaching-faculty/>

Conference Organizing Committees

- Symposium Co-Chair, 52<sup>nd</sup> ACM Technical Symposium on Computer Science Education, March 2021, Location To Be Determined
- Symposium Co-Chair, 51<sup>st</sup> ACM Technical Symposium on Computer Science Education, Portland, Oregon, March 2020
- Birds-of-a-Feather Co-Chair, 50<sup>th</sup> ACM Technical Symposium on Computer Science Education, Minneapolis, Minnesota, February 27-March 2, 2019
- Database Co-Chair, 50<sup>th</sup> ACM Technical Symposium on Computer Science Education, Minneapolis, Minnesota, February 27-March 2, 2019
- Symposium Webmaster, 49<sup>th</sup> ACM Technical Symposium on Computer Science Education, Baltimore, Maryland, February 21-24, 2018 - <https://sigcse2018.sigcse.org/>
- Mobile App Liaison, 49<sup>th</sup> ACM Technical Symposium on Computer Science Education, Baltimore, Maryland, February 21-24, 2018
- Database Co-Chair, 49<sup>th</sup> ACM Technical Symposium on Computer Science Education, Baltimore, Maryland, February 21-24, 2018
- Web Chair, IEEE Conference on Software Engineering Education and Training, May 2015
- Web Chair, IEEE Conference on Software Engineering Education and Training, San Francisco, CA, May 2013
- Posters Chair, International Symposium on Empirical Software Engineering and Measurement, Lake Buena-Vista, FL, October 2009
- Web Chair, 19<sup>th</sup> International Symposium on Software Reliability Engineering, Redmond, WA, November 2008
- Publicity Chair, IEEE Conference on Software Engineering Education and Training, Charleston, SC, April 2008
- Webmaster, Local Arrangements, and Conference Systems Support, 17<sup>th</sup> International Symposium on Software Reliability Engineering, Raleigh, NC, November 2006

Associate Program Chair

- 50<sup>th</sup> ACM Technical Symposium on Computer Science Education, Minneapolis, Minnesota, February 27-March 2, 2019

- 49<sup>th</sup> ACM Technical Symposium on Computer Science Education, Baltimore, Maryland, February 21-24, 2018
- 48<sup>th</sup> ACM Technical Symposium on Computer Science Education, Seattle, Washington, March 8-11, 2017
- 22<sup>nd</sup> ACM Annual Conference on Innovation and Technology in Computer Science Education, Bologna, Italy, July 5-7, 2017

#### Workshop Organizer

- Carver, J., Heckman, S., and **Sherriff, M.** 3rd Workshop on Designing Empirical Education Research Studies (DEERS). Charlottesville, VA, July 17-19, 2018. 14 participants.
- Wheeler, L. and **Sherriff, M.** Scholarship of Teaching and Learning Scholars Program. Center for Teaching Excellence, University of Virginia, May 31-June 1, 2018. 12 participants.
- Carver, J., Heckman, S., and **Sherriff, M.** "Designing Empirical Education Research Studies (DEERS): Creating an Answerable Research Question." 49th ACM Technical Symposium on Computer Science Education, Baltimore, MD, February 21-24, 2018.
- Carver, J., Heckman, S., and **Sherriff, M.** 2nd Workshop on Designing Empirical Education Research Studies (DEERS). Charlottesville, VA, July 18-20, 2017. 14 participants.
- Carver, J., Heckman, S., and **Sherriff, M.** "Designing Empirical Education Research Studies (DEERS): Creating an Answerable Research Question." 48th ACM Technical Symposium on Computer Science Education, Seattle, WA, March 8-11, 2017.
- Carver, J., Heckman, S., and **Sherriff, M.** 1st Workshop on Designing Empirical Education Research Studies (DEERS). Raleigh, NC, June 14-17, 2016. 12 participants.
- Heckman, S., Horton, T., and **Sherriff, M.** "Teaching Second-Level Java and Software Engineering with Android." 24th IEEE Conference on Software Engineering Education and Training 2010, Honolulu, Hawaii, May 2011.

#### Conference Reviewer

- IEEE Conference on Software Engineering Education and Training, Jan 2019
- IEEE/ASEE Frontiers in Education Conference, Indianapolis, IN, Oct 18-21, 2017
- ASEE Annual Conference and Exhibition, Columbus, OH, June 2017
- IEEE Conference on Software Engineering Education and Training, Savannah, GA, May 2017
- 48<sup>th</sup> ACM Technical Symposium on Computer Science Education, Seattle, WA, March 8-11, 2017
- IEEE Conference on Software Engineering Education and Training, May 2016
- 47<sup>th</sup> ACM Technical Symposium on Computer Science Education, Memphis, TN, March 3-6, 2016
- 46<sup>th</sup> ACM Technical Symposium on Computer Science Education, Kansas City, MO, March 6-9, 2015
- JSEET 2015 (Joint Software Engineering Education and Training - Joint ICSE 2015 and CSSE&T 2015 track)
- IEEE Conference on Software Engineering Education and Training, Klagenfurt, Austria, April 2014
- 45<sup>th</sup> ACM Technical Symposium on Computer Science Education, Atlanta GA, March 6-9, 2014
- IEEE/ASEE Frontiers in Education Conference, Oklahoma City, OK, Oct 23-26, 2013
- IEEE Conference on Software Engineering Education and Training, San Francisco, CA, May 2013
- ACM/IEEE International Conference on Software Engineering, SE Education Track, San Francisco, CA, May 18-26, 2013
- 18<sup>th</sup> ACM Annual Conference on Innovation and Technology in Computer Science Education, Canterbury, England, July 1-3, 2013
- 44<sup>th</sup> ACM Technical Symposium on Computer Science Education, Denver CO, March 6-9, 2013
- IEEE/ASEE Frontiers in Education Conference, Seattle, WA, Oct 3-6, 2012
- IEEE Conference on Software Engineering Education and Training, Nanjing, China, Apr 17-19, 2012
- 43<sup>rd</sup> ACM Technical Symposium on Computer Science Education, Raleigh, NC, March 1-3, 2012
- 16<sup>th</sup> ACM Annual Conference on Innovation and Technology in Computer Science Education, Haifa, Israel, July 3-5, 2012
- 42<sup>nd</sup> ACM Technical Symposium on Computer Science Education, Dallas, Texas, March 9-12, 2011
- IEEE Conference on Software Engineering Education and Training, Honolulu, Hawaii, May 22-24 2011
- IEEE International Symposium on Software Reliability Engineering, San Jose, CA, November 2010
- IEEE International Symposium on Software Reliability Engineering, Seattle/Redmond, WA, November 2008
- IEEE International Symposium on Software Reliability Engineering (Student Papers Track), Seattle/Redmond, WA, November 2008
- IEEE Conference on Software Engineering Education and Training, Charleston, SC, April 2008



- IEEE International Symposium on Software Reliability Engineering (Student Papers Track), Trollhättan, Sweden, November 2007

#### Other Significant Conference Service

- NSF Showcase, SIGCSE 2019, Minneapolis, MN (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2018, Baltimore, MD (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2017, Seattle, WA (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2016, Memphis, TN (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2015, Kansas City, MO (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2014, Atlanta, GA (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2013, Denver, CO (with Prof. Aaron Bloomfield)
- NSF Showcase, SIGCSE 2012, Raleigh, NC (with Prof. Aaron Bloomfield)
- NSF CCLI Showcase, SIGCSE 2011, Dallas, TX (with Prof. Aaron Bloomfield)
- NSF CCLI Showcase, SIGCSE 2010, Milwaukee, WI (with Prof. Aaron Bloomfield)
- NSF CCLI Showcase, SIGCSE 2009, Chattanooga, TN (with Prof. Aaron Bloomfield)
- NSF CCLI Showcase, SIGCSE 2008, Portland, OR (with Prof. Aaron Bloomfield)

#### Other Reviewing

- NSF Panelist
- ACM Transactions on Software Engineering
- IEEE Computer
- Social Sciences and Humanities Research Council of Canada (SSHRC)