WILLIAM JOHN THRASHER III

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EDUCATION

FLORIDA STATE UNIVERSITY, TALLAHASSEE, FL

PhD in Computer Science
Degree Received: August 2020
Dissertation: *Restart in Walk-on-Subdomains*

MS in Demography
Degree Received: December 2009
Master's Paper: *Economic Status and Active Life Expectancy in Hispanics*

BS in Psychology
Minor: Biology
Degree Received: April 2007

ACADEMIC POSITIONS

UNIVERSITY OF SOUTH CAROLINA BEAUFORT   2020-PRESENT

ASSISTANT PROFESSOR OF COMPUTATIONAL SCIENCE

Research Areas: Random Walk Monte Carlo Methods; Random Number Generation; Parallel Algorithms;

PUBLICATIONS

THRASHER, W. J. & MASCAGNI, M. (2020). EXAMINING SHARP RESTART IN A MONTE CARLO METHOD FOR THE LINEARIZED POISSON-BOLTZMANN EQUATION. *MONTE CARLO METHODS AND APPLICATIONS, 26(3), 223-244.*

HAMLIN, P., THRASHER, W. J., KEYROUZ, W., & MASCAGNI, M. (2019). GEOMETRY ENTRAPMENT IN WALK-ON-SUBDOMAINS. *MONTE CARLO METHODS AND APPLICATIONS*, *25*(4), 329-340.

PRESENTATIONS

RESTARTING A MONTE CARLO METHOD FOR ESTIMATING ELECTROSTATIC FREE ENERGY. *2022 JOINT CONFERENCE ON ELECTROSTATICS.* CHARLOTTE, NC. JUNE 2022.

SERVICE

- Reviewed submissions for *SIGSCE TS 2022*

- Managed website and troubleshooting for SPRNG (http://sprng.org) 2015-2020

PROFESSIONAL MEMBERSHIPS

- Member, Association for Computing Machinery, 2021 – Present

- Member, Electrostatics Society of America, 2022 - Present

TEACHING EXPERIENCE

CGS 3406 – OBJECT-ORIENTED PROGRAMMING IN C++

FLORIDA STATE UNIVERSITY   2015- 2018

- Instructor of Record for Summer 2015, Fall 2015, Fall 2017, Spring 2018, Fall 2018
- Introductory elective course teaching the basics of C++ programming and objected-oriented design to students not majoring in Computer Science

COP 3252 – INTERNET APPLICATIONS PROGRAMMING WITH JAVA

FLORIDA STATE UNIVERSITY   2016-2019

- Instructor of Record for Summer 2016, Fall 2016, Spring 2017, Summer 2017, Summer 2018, Spring 2019, Summer 2019
- Upper level course for students majoring in Computer Science, offering an Introduction to the Java language, including graphical user interfaces, event handling, exceptions, multi-threading, sockets, and the Javadoc tool, to students majoring in Computer Science

CSCI B102/ISAT B102 – INTRODUCTION TO HTML & CSS

UNIVERSITY OF SOUTH CAROLINA BEAUFORT   2020-2022

- Instructor of Record for Fall 2020, Fall 2021, Fall 2022
- Introductory course teaching the development of interactive websites using modern technologies and standards (HTML5 and CSS3), as well as an introduction to programming using JavaScript.

CSCI B101 – INTRODUCTION TO COMPUTER CONCEPTS

UNIVERSITY OF SOUTH CAROLINA BEAUFORT   2021

- Instructor of Record for Spring 2021
- Introductory course teaching the history, applications, and social impact of the computer. The course also gives students hands on experience with Microsoft Office (Word, Excel, PowerPoint) at a beginner to intermediate level.

CSCI B202/ISAT B202 – INTRODUCTION TO FRONT-END WEB DEVELOPMENT

UNIVERSITY OF SOUTH CAROLINA BEAUFORT 2022

- Instructor of Record for Spring 2022
- Course teaching the development of interactive, event-driven web applications using the JavaScript language

ISAT B207 – COMPUTER SYSTEM ADMINISTRATION

UNIVERSITY OF SOUTH CAROLINA BEAUFORT 2022

- Instructor of Record for Spring 2022
- Course teaching the knowledge and hands-on skills necessary to manage a computer system and its resources. Includes network management, system configuration, backups and restoration, peripheral administration, and resource allocation.

CSCI B240 – INTRO TO SOFTWARE ENGINEERING

UNIVERSITY OF SOUTH CAROLINA BEAUFORT 2022

- Instructor of Record for Spring 2022
- Course teaching the fundamentals of software design and development using the C++ programming language.

CSCI B500 – PRACTICAL COMPUTING FOR COMPUTER SCIENTISTS

UNIVERSITY OF SOUTH CAROLINA BEAUFORT 2022

- Instructor of Record for Fall 2022
- Graduate-level course teaching data processing and analysis using computational tools, specifically with the Python programming language.