

Stephen Marz, Lecturer, EECS

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Overview

Stephen Marz is a Lecturer in the EECS department at the University of Tennessee. He received his Ph.D. degree in Computer Science from the University of Tennessee in 2016. His interests include operating systems for multiple computer architectures, programming languages, graphical user interfaces, and input event models. His teaching interests include using computer-aided technology to improve classroom learning environments and developing interesting, hands-on projects to accommodate assorted learning styles.

Before arriving at the University of Tennessee, Dr. Marz was a Captain in the US Air Force and served as a helicopter rescue and instructor pilot with several combat deployments. After retiring in 2012, he pursued an interest in higher-level education and teaching.

Experience

Academic Appointments

Lecturer, Electrical Engineering and Computer Science, University of Tennessee - Knoxville	2016-present
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Education

Degrees

PhD University of Tennessee	2012-2016
BS Illinois Institute of Technology, Chicago	2000-2004

Language Competencies

Can read, write, speak, understand spoken and peer review English

Teaching Activity

Courses taught

COSC 361 - Operating Systems, course code: 201920.25664	2019
COSC 102 - Introduction/Computer Science, course code: 201920.21828	2019
COSC 102 - Introduction/Computer Science, course code: 201920.21829	2019
COSC 102 - Introduction/Computer Science, course code: 201920.25659	2019
COSC 102 - Introduction/Computer Science, course code: 201920.25660	2019
COSC 130 - Computer Organization, course code: 201920.29395	2019
COSC 130 - Computer Organization, course code: 201920.29396	2019

COSC 130 - Computer Organization, course code: 201920.29397	2019
COSC 130 - Computer Organization, course code: 201920.29398	2019
COSC 130 - Computer Organization, course code: 201920.29399	2019
COSC 594 - Adv. Oper.Syst: Implem&Design, course code: 201920.32156	2019
COSC 690 - Adv. Oper.Syst: Implem&Design, course code: 201920.29825	2019
COSC 102 - Introduction/Computer Science, course code: 201840.46832	2018
COSC 102 - Introduction/Computer Science, course code: 201840.46816	2018
COSC 102 - Introduction/Computer Science, course code: 201840.46815	2018
COSC 102 - Introduction/Computer Science, course code: 201840.46236	2018
COSC 102 - Introduction/Computer Science, course code: 201840.42787	2018
COSC 361 - Operating Systems, course code: 201840.50131	2018
COSC 493 - Indept. Study: Writing an OS, course code: 201840.42795	2018
COSC 130 - Computer Organization, course code: 201840.49171	2018
COSC 130 - Computer Organization, course code: 201840.49169	2018
COSC 130 - Computer Organization, course code: 201840.49168	2018
COSC 130 - Computer Organization, course code: 201840.49167	2018
COSC 130 - Computer Organization, course code: 201830.84357	2018
COSC 130 - Computer Organization, course code: 201820.29715	2018
COSC 130 - Computer Organization, course code: 201820.29714	2018
COSC 130 - Computer Organization, course code: 201820.29713	2018
COSC 130 - Computer Organization, course code: 201820.29712	2018
COSC 130 - Computer Organization, course code: 201820.29711	2018
COSC 365 - Programming Lang/Systems, course code: 201820.21869	2018
COSC 493 - Independent Study, course code: 201820.21872	2018
COSC 130 - Computer Organization, course code: 201740.49480	2017
COSC 130 - Computer Organization, course code: 201740.49478	2017
COSC 130 - Computer Organization, course code: 201740.49477	2017
COSC 130 - Computer Organization, course code: 201740.49476	2017
COSC 340 - Software Engineering, course code: 201740.51555	2017
COSC 130 - Computer Organization, course code: 201730.84616	2017
COSC 130 - Computer Organization, course code: COSC130	2017
COSC 130 - Computer Organization, course code: 201720.31827	2017
COSC 130 - Computer Organization, course code: 201720.30289	2017
COSC 130 - Computer Organization, course code: 201720.30288	2017
COSC 130 - Computer Organization, course code: 201720.30287	2017
COSC 130 - Computer Organization, course code: 201720.30286	2017
COSC 130 - Computer Organization, course code: 201720.30285	2017
COSC 361 - Operating Systems, course code: 201720.26064	2017
COSC 102 - Introduction/Computer Science, course code: 201640.42946	2016
COSC 102 - Introduction/Computer Science, course code: 201640.42947	2016
COSC 102 - Introduction/Computer Science, course code: 201640.42948	2016
COSC 102 - Introduction/Computer Science, course code: 201640.42949	2016

Introduction to Computer Science, course code: COSC130 2016

Professional Activity

Service to Department

COSC101 Planning Committee 2019
Hiring Committee for Lecturer 2018
Senior Design Advisor 2017
Senior Design Advisor 2017

Service to College

Hiring Committee for Senior IT Technologist I 2018

Service to University

Faculty Senate 2017-2019

Service to Community

Computer Science Council 2017-2018

Professional Development Activities

Continuing Education 2018
Continuing Education 2017
Continuing Education 2016

Association or Society Memberships

American Society for Engineering Education 2016-2017
IEEE 2014-2019
ACM 2012-2017
The Linux Foundation 2002-2012

Conference Reviewing/Refereeing

2018 ASEE Annual Conference 2017-2018

Journal Reviewing/Refereeing

Transactions on Mobile Computing 2019
Computers in Education (COED) 2017-2018

Publications

Marz, S., & Vander Zanden, B. (2016). Reducing Power Consumption and Latency in Mobile Devices Using an Event Stream Model. *ACM TRANSACTIONS ON EMBEDDED COMPUTING SYSTEMS*, 16(1), 24 pages. doi:[10.1145/2964203](https://doi.org/10.1145/2964203)

Marz, S., Vander Zanden, B., & Gao, W. (2019). Reducing Event Latency and Power Consumption in Mobile Devices by Using a Kernel-Level Display Server. *IEEE TRANSACTIONS ON MOBILE COMPUTING*, 18(5), 1174-1187. doi:[10.1109/TMC.2018.2857809](https://doi.org/10.1109/TMC.2018.2857809)