Swavek WLODKOWSKI
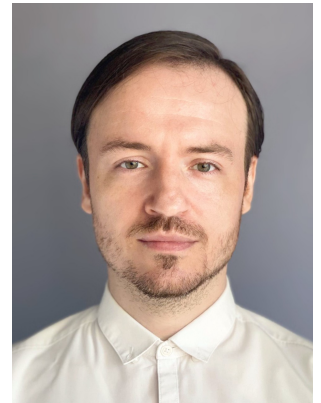
School of Computing and Information Systems
Singapore Management University (SMU)
80 Stamford Road
Singapore 178902

Email: swlodkowski@smu.edu.sg
Office Phone: 68264835

Education

Master of Science, Opole University of Technology, Poland, 2008

Academic Appointments

Senior Lecturer of Computer Science, School of Computing and Information Systems, SMU, Feb 2022 - Present

RESEARCH

Research Interests

Programming languages with focus on improvement of data types and abstractions
Impact of data-related design aspects of development tools on end-user software
Applications of classic AI and "game AI"
Distributed and parallel computing, including computer networking

Publications

Conference Proceedings

ChatGPT, can you generate solutions for my coding exercises? An evaluation on its effectiveness in an undergraduate Java programming course, by OUH, Eng Lieh; GAN, Benjamin Kok Siew, SHIM, Kyong Jin; WLODKOWSKI, Swavek. (2023.0). *ITiCSE 2023: Proceedings of the 2023 Conference on Innovation and Technology in Computer Science Education, Turku, Finland, July 10-12,* (pp. 54-60) New York: ACM. https://doi.org/10.1145/3587102.3588794 (Published)

TEACHING

Teaching Areas

Programming languages
Object-oriented programming
Data structures and algorithms
Operating systems
Inter-process communication
Computer networks
Software engineering/development
Software project management
Full-stack development
Web technologies
Databases (relational, non-relational)
Cloud computing
Big Data
Classic AI and game AI

Courses Taught

Singapore Management University

Undergraduate Programmes :

Computing Fundamentals

Object Oriented Programming

Operating System Concepts with Android

Operating Systems

Operating Systems and Networking

Software Project Management

Postgraduate Professional Programmes :

Big Data: Tools and Techniques

Query Processing and Optimisation