

Keith Vassallo

EDUCATOR & IT PROFESSIONAL



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Profile

I was born 15th September 1986. I am passionate about all things technology as well as education and try to combine the two whenever I can. In my free time I enjoy recreational coding, movies, gaming, reading and social activities.

Experience

Head of Academic Team, ICE Malta – 2013-Present

In addition to the below lecturing duties, developed syllabi for courses at the institute, managed the level-rating process of courses, developed an internal system handling payments, class bookings, CRM and statistics and assisted in managing relationships with international training partners. Also, in charge of ISO 9001:2015 documentation and internal auditing as Quality Manager.

Educator, ICE Malta (Institute of Computer Education Ltd.) - 2011-Present

Lectured and developed syllabi and course material for courses including Java, PHP, Python, JSP, Android development, GIT, Microsoft Project, Microsoft Visio, Database Development, Full Stack Development (Node), Linux Administration, AWS and Azure cloud technology and more. Lectured both in-person and online.

Lecturer, St. Aloysius' College 6th Form - 2008-2013

Lectured in Computer A-Level, Computer I-Level and Information Technology I-Level. Supported students in their Java & HTML programming assignments.

Testing & Support Engineer, 3CX - 2008

Tested the 3CX PhoneSystem IP-PBX. Was involved in the creation of templates for VoIP providers as well as the testing of VoIP phones and VoIP equipment. Was also involved in providing chat, phone, and ticket support to customers.

Lecturer, STC Training - 2005-2007

Provided tuition services for the International Diploma in Computer Studies (IDCS) offered by NCC Education in the Programming Methods, Developing a Website, Systems Development and E-Commerce modules.

Software Developer, Malta Information Technology Agency (MITA) - 2007

Internship. In this internship, I was responsible for developing, testing and providing support for the Maltese Government's transport system, which takes care of vehicle registration, insurance and other compliance matters. My languages consisted of PowerBuilder and several .NET languages such as C# and VB.NET.

Other Past (part-time/contract basis) Experience:

Lectured Business Technology and Integrated Business Management at EIE.
Unit writer for MCAST Higher National & National Diploma subjects.
Lectured Information Technology at G.F. Abela Junior College.
Former member of MATSEC and MCAST syllabus panels in ICT subjects.
Freelance web development & software development work for several clients.
Operated a successful YouTube technology channel.

Qualifications

University of Malta, M.Sc. Information and Communication Technology with Computer Information Systems

Overall Grade: MERIT

Modules Covered: Advanced Databases - Data Models and Database Languages, Client-Server Computing using Interoperable Techniques, Developing and Managing I.S. Operations, e-Business Systems, e-Learning, I.S. Graphics - Applied 3D Modeling in I.S., I.S. Risk, Quality, Audit and Control, I.S. Strategic Analysis and Enterprise Computing, Patterns and Practices in Web Systems, Research Methods

Dissertation: Studied the pedagogical effectiveness of a course delivered using traditional, e-learning and VR-learning techniques. Developed prototype learning content for all three methods, including a 3D interactive VR environment.

Certificate, transcript of results and thesis available on request.

University of Malta, M.Sc. Computer Science and Artificial Intelligence Preparatory Course

Overall Grade: DISTINCTION

Modules Covered: Artificial Intelligence, Machine Learning, Expert Systems & Fuzzy Logic, C#, Applied Web Engineering, Software Engineering II

London Metropolitan University, BCIS (Hons.) - Bachelors in computer information systems (2008)

Overall Grade: UPPER SECOND CLASS WITH HONOURS

Modules Covered: Software Engineering Methods, Software Engineering Management, Advanced Database Management Systems, Management Support Systems, Computer Systems Management, Object-Oriented Analysis and Design

Dissertation: Created a software application to help migrate user data (documents, settings, application profiles etc...) from Windows to Linux. Coded in Java.

Certificate, transcript of results and dissertation available on request.

NCC Education, IADCS - International Advanced Diploma in Computer Studies (2006)

Overall Grade: DISTINCTION

Modules Covered: Business Systems Analysis, Business Systems Design, Enterprise Networking, Database Design and Development, Advanced Java, C++, Internet Systems Administration, Internet Systems Security.

NCC Education, IDCS - International Diploma in Computer Studies (2004)

Overall Grade: DISTINCTION

Modules Covered: Business Communication, Business Organisation, Systems Development, Structured Programming, Web Development, Visual Basic, E-Commerce, Computer Technology.

Certifications

AWS Certified Solutions Architect - Associate

AWS Certified Developer - Associate

Amazon Authorised Instructor (AAI)

Certified ISO 9001 Internal Auditor

Cisco Instructor

Linux Professional Institute Certification, Level 1 (LPIC-1 v4)

Grade 8 in Performing Arts (Group) at Trinity Guildhall.

Microsoft Certified Technology Specialist (MCTS) in Microsoft Project 2010

Oracle Certified Associate, Java SE Programmer

SUSE Certified Linux Administrator (SUSE CLA), SUSE Linux Enterprise Server 11

Zend Certified Engineer, PHP

Education

University of Malta

Masters in information & Communication Technology with Computer Information Systems

Masters in Computer Science and Artificial Intelligence prep. course

STC Training / London Metropolitan University

Bachelor's in computer information systems (BCIS Hons.).

International Advanced Diploma in Computer Studies (IADCS).

International Diploma in Computer Studies (IDCS).

Cisco Certified Network Associate (CCNA).

Cisco IT Essentials.

St. Martin's Institute of Information Technology

Ordinary Level Computer Studies.

Achievements

International Diploma in Computer Studies (IDCS) Roll of Honour Award

International Advanced Diploma in Computer Studies (IADCS) Europe and Rest of World High Achiever Award.

Elected Student Representative during BCIS (Hons.) course.

Elected Student Representative during M.Sc. (Hons.) ICT with CIS course.

Publications

Vassallo, K. *et al* (2019) Contemporary Technologies and methods for cross-platform application development. *Journal of Computational and Theoretical Nanoscience* 16 (9), 3854-3857. <https://doi.org/10.1166/jctn.2019.8261>

Vassallo, K. *et al* (2017) A Framework for measuring VR-based instruction effectiveness. In: *Proceedings of 11th International Technology, Education and Development Conference, INTED2017, 6-8 March 2017*. Valencia, IATED. pp. 2069-2079. <https://doi.org/10.21125/inted.2017.0615>

Vassallo, K. & Garg, L. (2016) Cross-Platform Development Frameworks: Overview of contemporary technologies and methods for cross-platform application development. ICCCM. <https://www.um.edu.mt/library/oar/handle/123456789/25282>

Vassallo, K., Garg, L., Layfield, C. (2016) Mobile language learning: providing tools that allow the asynchronous, casual and sometimes gamified learning of languages on mobile devices. ICCCM. <https://www.um.edu.mt/library/oar/handle/123456789/25283>

References

Available on request.