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| --- | --- | --- |
| A person wearing glasses  Description automatically generated with medium confidence Objective Accessible communication in Science, Technology, Engineering, Arts and Science. Skills Technical writing (DITA; GitHub).  Academic writing.  Journalism.  Research supervision.  Research funding.  Research instruction.  Journal editor.  External consultant.  Team leader.  Company advisor. | |  | | --- | | Dr. Michael VallanceCOMMUNICATION | MEDIA | WRITING |  ExperienceProfessor • Future university japan • current Researcher analyzing the impact on communication of virtual reality and extended reality in multiple disciplines. Research funding from Japan’s JAIST and UK’s PMI2. Teaching Academic Literacy and Research Methods, Communication in Media Architecture, and Preparatory University Programs. Over 160 publications. chief editor • ijvar • current Editor-in-Chief for the International Journal of Virtual & Augmented Reality. Wide experience writing academic papers and newspaper articles. EducationDoctorate • 2006 • durham university, uk Thesis researched a framework for remote synchronous collaboration among teachers in Singapore using P2P bespoke applications. masters • 1996 • stirling university, uk Dissertation researched the design and impact of a HTML and CGI developed interactive website for business. BACHELORS • 1984 • SOUTH WALES university, uk BSc(Hons) Mechanical Engineering. Experience in Marine Engineering with P&O Shipping, Ministry of Defence, Ampol Oil Refineries (Australia).  **External consultancy** on high value, generously funded technology and education reports for universities and governments. Have worked in UK, Australia, Malaysia, Singapore, and Japan. |

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Description automatically generated with medium confidence

SUMMARY:

I am seeking a remote-based role as a TECHNICAL AUTHOR / WRITER. Currently, as a researcher and technical writer I have worked with program managers, UI designers, software development engineers, business leaders and administrators, effectively communicating content, processes, outcomes, data analysis, recommendations and promotions. I am well versed in communication technologies and have advanced skills, particularly in the use of emerging metaverse applications and implementations.

Also, as a Professor in the Department of Media Architecture and former Director of the Center for Meta-learning (CML) at Future University Hakodate, Japan, I have been involved in educational technology design, implementation, research and consultancy for over thirty years, working closely with Higher Education Institutes, schools and media companies in UK, Singapore, Malaysia and Japan. Since 1996 I have been teaching Technical and Media Communication (e.g., writing and communicating for a range of innovative multimedia modalities such as instructional videos and VR presentations) and Academic Literacy in Higher Education.

With a background and extensive knowledge in Marine Engineering, Mechanical Engineering, Computer Science, Design and Virtual Reality, I have written over 160 peer-reviewed academic journal publications, technical reports and research funding applications; both as an independent author and also with collaborative partners.

Between 1996 and 2004 I wrote technology newspaper articles for The Computer Times, a supplement of the national newspapers in both Malaysia and Singapore. Since 2005 I have focused upon accurate, detailed and accessible technical writing as co-editor of a number of international journals: International Journal of Learning Technology; International Journal of Personal and Virtual Learning Environments; Teaching and Teacher Education; TechTrends; Knowledge Management in Organizations; Teaching, Assessment, and Learning for Engineering;  Immersive Learning Research Network. I am currently the Editor-in-Chief of the International Journal of Virtual & Augmented Reality. In March 2022 I completed the Technical Writer Certification course; an independent online program by Technical Writer HQ.

A person wearing headphones and sitting at a desk with a computer

Description automatically generated with medium confidenceEMPLOYMENT

Oct 2006 to present: Department of Media Architecture, Future University Hakodate, Japan

Professor.

Post- Doctoral research in P2P synchronous collaboration, virtual worlds, and multi-modal task design. Teaching and research using ICT to develop frameworks for best practices through informed use.

MA course coordinator: Academic Literacy & Research Skills.

Graduate Study research supervisor:

• Virtual Reality and Immersive Learning Spaces

• Task Metrics with Robots in Virtual Worlds

• Anxiety in a Virtual Environment for Learning

• Evaluation of Spatial Recognition on a Virtual Environment

• Cybersickness in a Virtual Environment

Director of the Center for Meta-learning (April 2014 – March 2016).

Technical and Media Communication writing of research reports, proposals, qualitative case studies, quantitative data analysis and interpretations, and project management and testing, using various style formats (APA, IEEE, MLA, Chicago).

Nov 2000 – Sept 2006: School of Humanities & Arts, Nanyang Technological University, Singapore

Lecturer specializing in Computer Assisted Learning

Courses: BEd: Using IT in Education; PGCE: Instructional Technology; Certificate: Digital Literacy Skills; Technical Writing; eLearning.

IT Coordinator for Academic Group

Development of a five-year Strategic Plan for the integration of IT in course modules.

Responsible for the design and management of new digital labs (11 off), technical support officers (4 off) and funding (US$350,000).

Sept 1997 to Oct 2000: School of Engineering. Temasek Polytechnic, Singapore

Lecturer in Technical Communication Skills, Media Communication, and Technical Writing.

Oct 1996 to Sept 2004: Computer Times, New Straits Times, Malaysia & Straits Times, Singapore

Journalist: Information Communication Technology newspaper articles.

April 1988 to Sept 1995: IH Japan

Director of Studies & Instructor. Integration of early IT and teaching.

Oct 1986 to April 1988: Bridgend Technical College, UK

Lecturer in Mechanical Engineering.

Sept 1976 to July 1980: P&O Shipping Company, UK

Marine Engineering Cadet Officer.

A person wearing a hat and glasses

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EDUCATION

2001 to 2006: Durham University, UK

Doctorate in Education (EdD)

Thesis: The Impact of Inter Networked Teacher Training in ICT Integration.

Supervisor: Prof. Stewart Martin.

1996: University of Stirling, UK

MSc CALL & TESOL (combined)

Dissertation: The Design and Utilization of an Internet resource for Business.

Supervisor: John Higgins.

1989: Royal Society of Arts, UK

RSA Diploma in TESOL

1986: Garnett College, Greenwich University, UK

PGCE: Post-graduate Certificate in Education (Distinction)

1984: University of Glamorgan, UK

BSc (Hons) Mechanical Engineering

Internship at Ampol Refineries, Australia.

Internship at Ministry of Defense, Aberporth, UK.

Internship at NuAire, UK

1980: South Shields Marine & Technical College, UK

BTEC Advanced Marine Engineering Technicians Certificate (Distinction)

1978: Portsmouth Technical College, UK

BTEC Marine Engineering Technicians Certificate

A person holding an object

Description automatically generated with medium confidenceNEWSPAPER AND MAGAZINE ARTICLES

Over 50 hardware and software reviews, and instruction articles published in The Straits Times, Singapore and The New Straits Times, Malaysia (the national newspapers of the respective countries), Digital Home and CHIP computer and communications magazine.

EDITORIAL REVIEW BOARDS AND CONFERENCE PROGRAMME COMMITTEES

1. EDITOR-IN-CHIEF. International Journal of Virtual and Augmented Reality (IJVAR)
2. I am a full member of the Institute of Electrical and Electronics Engineers (IEEE) and the Society for Technical Communication, and an associate member of the Institute of Scientific and Technical Communicators.