PATRICK O'TOOLE | Curriculum Vitae

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○ GitHub • in LinkedIn • ᵇ Blog

SUMMARY

PhD researcher in Human Computer Interaction, where I am exploring auditory-visual associations using Virtual Reality environments. I am currently looking for a work placement in the areas of VR, HCI, or Auditory-Visual experiences.

EDUCATION

UNIVERSITY COLLEGE CORK   10/2020 - Present
PhD in Computer Science   Cork, Ireland
Grade: TBC

UNIVERSITY COLLEGE CORK   9/2015 - 5/2019
BA(Hon) in Digital Humanities & IT   Cork, Ireland
Grade: 1.1, First Class Honour

GALWAY COMMUNITY COLLEGE   9/2002 - 5/2003
FETAC Lv5 in Music Composition & Performance   Galway, Ireland
Grade: Merit

SELECTED EXPERIENCE

OMNI-CHANNEL ASSOCIATE   9/2017 - 8/2018
Musgrave   Cork, Ireland
Managed & created digital content for SuperValu online shopping platform, monitoring & presenting performance to upper management. Project owner for Operation Transformation, Christmas, Halloween & Easter promotions.

IT SUPPORT ASSISTANT   9/2016 - Present(On/Off)
University College Cork   Cork, Ireland
Providing excellent customer service & troubleshooting to over 2,800 staff on all technical issues. Gained working knowledge of Microsoft Office, Windows 7/10, SPSS & Citrix.

STORE MANAGER   9/2001 - 3/2007
Zhivago Records   Galway, Ireland
Exhibited strong leadership skills, managing the running of multiple stores. Responsible for maintaining excellent customer service standards,staff training, rotas & task delegation.

SKILLS

PROGRAMMING LANGUAGE	**Experienced:** Python **Familiar:** C# | JavaScript | Java | SQL
FRAMEWORKS & TOOLS	Unity | Git | SPSS | Photoshop | Final Cut Pro | Logic Pro | Office | Tableau
LIBRARIES	pandas | numpy | librosa | pyAudio
LANGUAGES	**Native:** English | **Intermediate:** German | **Beginner:** Japanese

PROJECTS

INVESTIGATING AUDITORY-VISUAL-EMOTION ASSOCIATIONS & ITS EMOTIONAL IMPACT   5/2019
University College Cork   Cork, Ireland
Received 85% for my final year project where I created an application called SoundStrokes to conduct an experiment & investigate my hypothesis on auditory-visual-emotional associations. My research received a "Best Paper" nomination at the ACII 2019 conference.

Honors & awards

BEST PAPER AWARD
University College Cork
Awarded best undergraduate paper for my published final year project paper.

2020

NUI CLUB LONDON SCHOLARSHIP
University College Cork
Presented with this award for academic achievement in 2019

2019

QUERCUS COLLEGE SCHOLARSHIP
University College Cork
Achieved for exemplary results in consecutive academic years

2016 & 2017

UCC WORKS AWARD
University College Cork
Achieved for volunteer work with the UCC Squash Club

2017 & 2018

Extracurricular activities

VOLUNTEER ASSISTANT
Dzogchen Beara Meditation Centre
Provided various duties including event management, hospitality, & gardening

6 - 9/2019
Co. Cork, Ireland

STUDENT LIAISON OFFICER
Virtual Heritage Network
Interviewing sponsors of the event & creating content for the conference

9 - 12/2016
Cork, Ireland

VIRTUAL ACCELERATOR PROGRAM PARTICIPANT
EU-XCEL
Chosen for a 3 month European-wide virtual accelerator program, learning the Scrum framework to work as a team, developing a business plan & prototype IOT technologies.

5 - 8/2016
Cartagena, Spain

Teaching experience

CS1203 - PROGRAMMING FOR DIGITAL HUMANITIES
University College Cork
Demonstrator for the practical labs, using Python.

9/2020 - 5/2021
Cork, Ireland

CS1022 - INTRODUCTION TO PROGRAMMING & PROBLEM SOLVING
University College Cork
Demonstrator for the practical labs, using Python.

9/2020 - 5/2021
Cork, Ireland

Selected publications

P. O'Toole, **"Can VR Help Understand Auditory-Visual Associations & Synaesthesia Through Immersive Battery Tests?,"** 2022 10th International Conference on Affective Computing & Intelligent Interaction (ACII), 2022, pp. 1-5.

B. Biancardi, P. O'Toole, I. Giaccaglia, B. Ravenet, I. Pitt, M. Mancini & G. Varni, **"How ECA vs Human Leaders Affect the Perception of Transactive Memory System (TMS) in a Team,"** 2021 9th International Conference on Affective Computing & Intelligent Interaction (ACII), 2021, pp. 1-7.

P. O'Toole, D. Glowinski & M. Mancini, **"Understanding Chromaesthesia by Strengthening Auditory-Visual-Emotional Associations,"** 2019 8th International Conference on Affective Computing & Intelligent Interaction (ACII), 2019, pp. 1-7. (Nominated for "Best Paper" Award)

References

Mrs Anna Corcoran McCarthy **|** Online Brand Manger **|** Musgrave Retail Partners Ireland, Tramore Rd, Cork
Tele: +353 86 8677461 **| Email:** anna_mc_carthy@yahoo.com

Mr Shawn Day **|** Digital Humanities Lecturer **|** University College Cork, Western Rd, Cork
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