

Richard Jackson

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Software Engineer and Musician

MSc. Computing student & freelance creative

Core Competencies

Highly creative individual with passion for elegant, logical solutions.

Strong focus on communication, mediation and managerial skills.

Experienced educator and creator of educational content.

Proficient in various programming languages and frameworks such as Flask, Django and Jekyll.

Experience with game engines such as Unity and Godot.

Occupational History

MSc. Computing | *Cardiff University (2021-2023)*

Predicted grade distinction based on work done so far.

Ran informal, weekly educational seminars (known as “WTF is...”) on Computer Science concepts during the first term of the course to support other students with initial learning.

Chair of Staff Student Panel 2021-22 and postgraduate student representative for Student Satisfaction Enhancement Panel.

Freelance Musician | *(2015-2021)*

Educator, performer and producer.

Created digital learning materials and education applications.

Self-published music, organised and promoted events.

Data Scientist | *EUI Ltd (2011-2015)*

Primary responsibilities involved creating reports generated with SQL/SAS.

Won Star Award for successfully mediating and improving inter-departmental relations.

Assistant Librarian | *BBC Singer of the World (2009)*

Assisted in preparation of sheet music for judges, conductors and accompanists.

Educational History

MSc. Computing | Cardiff University (2021-2023)

MMus. Composition (dist.) | Cardiff University (2008-2010)

BA. Pure Mathematics with Music (hons) | Cardiff University (2005-2008)

Examples of relevant educational content

All below material can be found on my "JacksorJacksor" YouTube channel:

Setting up VS Code for HTML/CSS & Python/Jupyter Notebooks.

Deploying a Wagtail site to Python Anywhere via GitHub.

Building an artist portfolio site.

Game Jams

Global Game Jam (2022): co-created entire game (HTML/CSS/JS + audio).

Stop Waiting For Godot (2021): entire game (Godot engine, GDscript + audio).

Ludum Dare (2021): entire game (HTML/CSS/JS + audio).

Fuse Jam Bristol (2020): audio and music.

Awards

Duke Of Edinburgh Gold Award | *included canoeing in Canada and teaching in South Africa.*

EUI Star Award | *received for improving inter-departmental relations.*

A.B. Daly Award | *received from Cardiff University School of Music for high quality of work*

Additional Qualifications

Piano | Grade 8 (dist.)

Singing | Grade 8 (dist.)

Driving License | clean