

John McDowell

Junior Software Developer

Email: johnmcdowell0801@gmail.com

Phone: +353 87 222 1736

Software developer with a first class honours masters degree in Music and Media Technologies, from Trinity College Dublin.

I recently completed a Diploma in Software Development at Code Institute.

I also completed the Harvard University CS50x Introduction to Computer Science.

I believe my proven aptitude for research is a testament to my work ethic and excellence in communication.

 [Linked In](#)

 [Github](#)

 [ResearchGate](#)

 [Stack Overflow](#)

Software Development Skills

Frontend

HTML

CSS

JavaScript

JQuery

Backend

Python

C

Django Framework

Flask Framework

Databases

SQL, MySQL, SQLite

Mongo

Version Control

Git

Github

Examples of work

Version of the classic board game *Diplomacy* created using Python, flask, and MongoDB: [Github Repo](#)

Full stack Django E-Commerce website designed for vintage guitar shop *Some Neck Guitars*. Created using Python, Django, and MySQL: [Github Repo](#)

Text-based adventure game with an emphasis on audio cues *Pitch Black*. Created using Javascript: [Github Repo](#)

Education

April 2018 - July 2018	Full Stack Software Development Diploma, The Code Institute, credited by the Edinburgh Napier University. Code Institute is considered one of the <u>top 40 software bootcamps in the world</u> .
2017/18	Harvard University CS50x <u>Introduction to Computer Science</u>
2016/17	Masters in Music and Media Technologies, Department of Electronic & Electrical Engineering, Trinity College Dublin, Awarded 1st Class Honours (Distinction).
2012/13 - 2015/16	Bachelor of Music (University of Dublin – Trinity College), Conservatory of Music, Dublin Institute of Technology. Awarded 1st Class Honours.

Research and Publications

- [1] McDowell, John A. and Furlong, Dermot J. [2018] Haptic-Listening and the Classical Guitar, International Conference on New Interfaces for Musical Expression (NIME), Paper presented at the 2018 conference, 5 June 2018, Blacksburg, VA
- [2] McDowell, John A. [2017] Haptic Listening and the Classical Guitar. Masters Dissertation, Trinity College Dublin. (First class honours dissertation)
- [3] McDowell, John A. [2016] An Overview and Performance Guide to Joaquín Rodrigo's Fandango from Tres Piezas Españolas. Unpublished Undergraduate Dissertation, Conservatory of Music, Dublin Institute of Technology. (Awarded first prize in the National Undergraduate Musicology Competition and The Anne Leahy medal, Conservatory of Music, Dublin Institute of Technology)

Employment

November 2017 – June 2018	Guitar teacher (part time). Four classes per week, approximately five students per class.
April – July 2014	Barista, Nick's Coffee Shop, Ranelagh, Part-time employment
April – October 2013	Storeroom assistant, delivery boy & shop assistant: Redmonds' Off- Licence, Ranelagh, Part-time employment