

Bruno Citoni | Curriculum Vitae

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Graduate electronic engineer from the University of York. Current MSc student at the University of Glasgow, passionate about new challenges and research in both artistic and scientific fields.

Education

Academic Qualifications

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|--|----------------|
| University of Glasgow | Glasgow |
| ○ <i>MSc Electronics & Electrical Engineering</i> | 2016–2017 |
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| University of York | York |
| ○ <i>BEng (Hons) Electronic Engineering with Music Technology Systems, First Class Honour, 73%</i> | 2013–2016 |
| Elected modules: | |
| – Analogue Electronics – 74% | |
| – Further Digital Electronics – 77% | |
| – BEng Individual Project – 79% | |
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| Liceo Scientifico Statale Cavour | Roma |
| ○ <i>Diploma Maturità Scientifica PNI, 82/100</i> | 2007–2012 |

Notable Projects

- **BEng Individual Project:** *Cardiac monitor for Shellfish*

Cardiac activity of intertidal animals has been found to be an indicator of water pollution. This project involved devising a non-invasive, long term monitoring system to gather information about the cardiac activity of shellfish, to be a non-invasive, long-term monitoring solution, to ascertain the influence of pollutants and external agents present in the water on the animals regular cardiac activity.

- **AADI Assignment:** *BandSwiper.dll*

As part of the assignment for Audio Algorithm Design and Implementation, this VST plug-in was coded using MATLAB and C++. In its final form it allows the user to isolate a number of different frequency bands and have them to swipe between the right and left channels in the stereo field each at a different user-defined rate.

Previous Employment

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|---|-----------------------------------|
| <ul style="list-style-type: none">○ YCCSA – York Centre for Complex System Analysis○ <i>Summer Research Student</i> | York |
| | <i>July 2015 – September 2015</i> |
| An interactive website was developed as part of the "Changing spaces: preserving the acoustic heritage of the York Theatre Royal" project. The web-page performs in-browser real-time convolution of a microphone input with impulse responses collected in various parts of the audience. It also features 360° images of the chosen seat and the possibility to audition pre-recorded audio files in case a live user-input is not available. | |
| <ul style="list-style-type: none">○ York College○ <i>GCSE Maths Teaching Assistant</i> | York |
| | <i>March 2015 – June 2015</i> |
| Part of the York Students In Schools (YSIS) programme, promoting the involvement of university students with local schools. Assisted with the preparation of GCSEs Foundation Maths exam in several different classes within York College, providing both group and one on one tutoring. | |

Technical and Personal skills

- **Programming Languages:**
Proficient in: Java, HTML, C, C++, MATLAB, VHDL.
- **Industry Skills:**
Analogue and digital discrete and integrated circuit design and manufacturing skills, using software, including Xilinx ISE, SIMetrix, CADENCE, EAGLE, as well as PCB and 3D CAD design.
- **Other:**
Extensive knowledge of DAWs, recording and editing software, MIDI composing and analysis tools such as: Logic Pro, Pro Tools, PureData, Sibelius, SPEAR, Praat.
- **Languages:**
Italian native speaker, proficient in English and working knowledge of French.

Interests and extra-curricular activity

- Music composer, performer and recording artist.
- Avid video games player, hobbyist video game designer.
- Amateur football player.
- University of York Italian Society: Secretary (2013, 2014) and President (2015).

References

- References available on request