



EDUCATION

Computer Science (with industrial placement) BSc, University of York

2015 – 2019

- First Year – 76%
 - Foundations of Electronics, Signals & Circuits: 80%
 - Human Aspects of Computer Science: 71%
 - Introduction to Computer Architectures: 76%
 - Mathematical Foundations of Computer Science: 77%
 - Numerical Analysis: 71%
 - Programming of Micro-Controllers: 92%
 - Skills, Knowledge & Independent Learning: 82%
 - Theory & Practice of Programming: 66%

AS & A2 Levels, Barnsley College

2013 - 2015

- Computing Grade A*;
- Mathematics Grade A;
- Chemistry Grade A;
- Geography Grade B (AS).
- Computing A2 independent project included designing and implementing an object orientated Pascal GUI to interface with MySQL database. The report and functionality of my system earned me 100% marks of the unit.

GCSEs, Ecclesfield School

2008 - 2013

- 4 A* Grades (including Mathematics and Electronics).
- 8 A Grades (including ICT, Science, French and English).

WORK EXPERIENCE

Web development

2015

- Designed (and maintain) the website for Xtreme Sound Systems (see www.xsound.co.uk).
- Used JQuery and CSS3 to give potential customers a more intuitive and informative experience than the company's competitors' websites offered.

Website design/ maintenance and online retail - PJS Music Services

2013 - Present

- Installed a shopping cart ecommerce system after being given a budget for website and database hosting for a local music shop (see www.pjsmusic.com).
- Designed, wrote, and currently maintain the website layout and create all graphics needed.
- Professionalism and confidence is required as I work in the shop and often help customers and place orders from our suppliers, giving me valuable retail experience and extensive working product knowledge.

Sound Engineering Assistant – Xtreme Sound Systems

2013 - Present

- Have set up and engineered numerous live events ranging from festivals to the Tour De France.
- A fast-paced analytical mind-set is necessary to fault find when something goes wrong under the pressure of several thousand people.
- This experience has made me knowledgeable about analogue audio signals and the equipment used, including filters, amplifiers and compressors.

POSITIONS OF RESPONSIBILITY

Session Liaison Engineer at URY (University Radio York)

2015 - Present

- Volunteer position as audio engineer for live broadcast and recording for URY.
- Volunteered for additional role to communicate with other members of the station to organise live music sessions and to ensure an engineer is present to help the broadcast. For this I must keep focussed as both the Engineering and Music departments are dependant on my presence and assistance.

TECHNICAL SKILLS

- Developed successful group working skills for group project work, in which I was elected team leader and motivated my group to think outside of the box when designing user centred interfaces.
- Enriched my software developing ability with Java and Python. I will be completing the optional software group module in my second year.
- My communicative ability has been refined and sophisticated in reports and research essays.

Software Skills

- Proficient in Python, Pascal, Java & HTML/CSS.
- Experience with Javascript, PHP, JQuery, SPSS and MySQL.
- Frequently use Adobe Photoshop, Final Cut Pro X and Microsoft's Office Suite.

Problem Solving

- Whether audio engineering, programming or designing hardware circuits, there will invariably be challenges and problems to overcome. I desire to fix these as it boosts my understanding in the field.

HOBBIES AND INTERESTS

Music

- I'm an enthusiastic guitar player; I've practiced for over 10 years and I'm constantly improving, demonstrating my dedication for something I enjoy without being complacent with the quality.
- I co-present a show on University Radio York (URY) devoted to taking about and playing our favourite music, with occasional guests.
- I enjoy producing live audio as perfecting sound in a dynamic environment where many factors are unpredictable is a rewarding challenge.

Electronics

- I often enjoy building small electronics projects in my spare time. I have recently constructed a POV (persistence of vision) display and an optical Theremin, and I plan to build a 'smart mirror' displaying the day's events and reminders in the near future.

OTHER INFORMATION

- Won an honourable mention in 2015 Blue Pi Thinking challenge during fresher's week 2015, where I mounted a Raspberry Pi inside a 1980s cassette tape recorder and interfaced the original buttons & speaker to 'play' the tapes digitally using RFID tags on the cassettes.
- Extra in the David Tennant Movie 'Mad to Be Normal' (2016).
- Helped engineer a 101 Hour non-stop broadcast with URY fundraising for Yorkshire Cancer Research.
- Took part in a music video to raise awareness of the environmental concerns of using micro-beads.
- *Deputy Head boy at Ecclesfield School (2012 – 2013)*
 - Public Speaking at School events for students and parents.
 - Produced the school magazine and designed the prom tickets and posters.
 - Took part in the BBC School Report as reporter and editor.

REFEREES

- Stefano Pirandola - Supervisor (01904 325475, pirs@cs.york.ac.uk)
- Lin Davis - Computing Tutor, Barnsley College (01226 216512, l.davies@barnsley.ac.uk)