JORDAN WILLIAMS

Audio Research Engineer
MEng Acoustical Engineering
Python Developer
Personal Website

DRIVE & MOTIVATION

I have a passion for hearing/digital health and professional audio.

My main aim is to try and use my formal knowledge of acoustics, audio and engineering in ways that provide benefit to people's lives.

CORE STRENGTHS & SKILLS

- Software development
    -- Key Skills: Python, MATLAB, C++, bash, lua, yaml, GitHub, JIRA, Asana, AutoCAD, Odeon, SoundDesign, COMSOL.
    -- Lead roles: Python development, R&D data science & machine learning
    -- Working understanding: realtime DSP, chipset porting, database configuration
- Acoustical Engineering & Experimentation
- Digital Signal Processing
- Research based product development
- Experienced in Scrum (Agile & Kanban)
- Presentation & Communication
- Good team worker with a positive outlook
- Flexible in approach and methodology
- High integrity, honest, socially responsible

CONTACT DETAILS

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https://jordyjwilliams.github.io/

REFERENCES

Avaliable on request

EMPLOYMENT HISTORY

Mimi Hearing Technologies, Berlin, DE

AUDIO RESEARCH ENGINEER - OCT 2018 - FEB 2021: 2 YEARS 5 MONTHS

Responsible for medically certified products: hearing testing engines, analysis and result computation packages/backend services, as well as internal research (Python) packages. Worked in cross-functional development teams (Scrum and Kanban). Setup and improved QA and code quality processes. Key focus was working between research and product teams to achieve the best scientifically informed personalized audio. Key skills: Python development, data analysis, cross-team communication.

Internships

VARIOUS ROLES, MULTIPLE TIME-FRAMES

- Completed internships at a vast number of companies, (UK and overseas).
- Areas such as: audio production, photography and acoustic consultancy
- Examples: Fotech Soltions, Sky, Shure, AECOM, Cole Jarman, JackFM
- For more infomation see here.

University of Southampton, UK

STUDENT AMBASSADOR - OCT 2015 - JUN 2018: 2 YEARS 9 MONTHS

Assisted in variety of scenarios working with many eclectic groups of people. Showcasing my passion for acoustics to inspire others.

ACADEMIC HISTORY

University of Southampton, UK

MASTERS OF ACOUSTICAL ENGINEERING (MENG) - FIRST CLASS HONOURS
2014 - 2018: 4 YEARS

- Graduated Valedictorian/best in final year
- Dissertation (individual project) in bachelor year won the "Institution Best Project Certificate" from the IMechE. Titled: "Signal Processing of acoustic emissions to identify Osteoarthritis in the knee joint".

Higher Education

- Further information avaliale on request

VOLUNTEER EXPERIENCE

ReDI School of Design Interaction, Berlin, DE

- Taught and helped coordinate the Intro to Python Course
- ReDI is a not-for-profit school in Berlin which teaches a diverse range of non traditionally educated students (a vast majority of whom come from forced migration circumstances).

Action on Hearing Loss/RIND, UK

- Volunteered at community support and outreach events - helping aid understand of the challenges deaf individuals experience.
- Charity Officer for Southampton University Sign Language Society (SignSoc), learned basic British Sign Language (BSL).

Samtpfoten Neukölln, Berlin, DE

- Volunteered helping at a cat home in the centre of Berlin
- Tasks: Cleaning, feeding, looking after stranded, abandoned and unwanted cats.

HOBBIES & INTERESTS

- Wakeboarding - President of SuWake (University wakeboarding club)
- SCUBA Diving - PADI Certified Rescue & Advanced Open Water Diver
- Analogue Photography - Developing film and creating prints