

JORDAN WILLIAMS

MEng Acoustical Engineering
Audio Research Engineer
Python Developer
PADI Open Water SCUBA Instructor

ABN: 81 347 259 010
PADI Instructor Number: 521989

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.

SKILLS

- Proficient: Python, MATLAB, GitHub, JIRA, Asana, AutoCAD, Odeon, SoundDesign, COMSOL, TensorFlow, sci-kit, pandas, offline DSP, database analysis, R&D.
- Working understanding: C++, bash, lua, yaml, TypeScript, chipset porting, realtime DSP.
- Acoustical Engineering & Experimentation.
- Research based product development.
- Experienced in Scrum (Agile & Kanban).
- Presentation & Communication.
- Excellent team worker with a positive outlook.
- Flexible in approach and methodology.
- High integrity, honesty, socially responsible.

CONTACT DETAILS

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<http://github.com/jordyjwilliams/>

<https://jordyjwilliams.github.io/>

EXPERIENCE

Freelance Developer/Audio Research Engineer

FEB 2021 - CURRENT

- Registered as a Sole Trader/Freelancer in Australia
- Support work for 2 prior owned software projects for Mimi Hearing Technologies.
- Freelance work cadence enabled simultaneous SCUBA training and volunteer work.
- Actively perusing new and exciting software/engineering projects.

Mimi Hearing Technologies, Berlin, DE

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

- Ownership, development and release planning for >5 software projects:
 - Medically certified products: hearing testing engines, analysis and result computation packages/backend services
 - Internal research (Python) packages and various analysis toolkits.
- Worked in 4 different cross-functional development teams
 - Scrum and Kanban, average size: 8-10 people.
- Setup and improved QA of audio output and improved code quality processes.
- Facilitated communication between: research, product, BizDev teams.
- Key skills: Python development, audio engineering, analytics, communication.

Internships

VARIOUS ROLES, MULTIPLE TIME-FRAMES

- Completed internships at more than 10 different companies spanning 4 countries.
- Areas including: audio production, photography and acoustic consultancy.
- Examples Fotech Solutions, Sky, Shure, AECOM, Cole Jarman, JackFM.

University of Southampton, UK

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

- Assisted in a variety of scenarios: open days, tours, data analysis, STEM outreach.
- Worked in multi-disciplinary student teams at events for 1000+ guests.
- Led tours of up to 30 perspective students, using passion for acoustics to inspire.

EDUCATION

University of Southampton, UK

MASTERS OF ACOUSTICAL ENGINEERING (MENG) - FIRST CLASS HONOURS
SEPT 2014 - JUN 2018: 3 YEARS 10 MONTHS

- Graduated Valedictorian/best in final year.
- Dissertation (individual project) in bachelor year won the "Institution Best Project Certificate" from the Institute of Mechanical Engineers. Titled: "Signal Processing of acoustic emissions to identify Osteoarthritis in the knee joint".
- Wakeboarding club president 2017-18.

VOLUNTEER EXPERIENCE

ReDI School of Design Interaction, Berlin, DE

TEACHER, INTRO TO PYTHON, JUL 2020 - FEB 2021: 7 MONTHS

- Taught and coordinated the "Intro to Python Course" 4 hours of lessons/week.
- ReDI is a not-for-profit technology school teaching over 6000 students.
 - Diverse students >95 nationalities, primarily with forced migration backgrounds
 - All courses are free of charge.
- Key skills: teaching, organisation, planning and delivering a curriculum.

Divers Den and Frankland Islands, Entrada Group, Cairns, AU

DIVEMASTER AND INSTRUCTOR TRAINING, JAN 2022 - JUN 2022: 7 MONTHS

- PADI Divemaster and Open Water SCUBA Instructor Training.
- Leading and guiding snorkelers, divers as well as island nature walks.

Action on Hearing Loss/RIND, UK

VARIOUS ROLES, 2016 - 2018: ~2 YEARS

- Community support and outreach events - helping communicate challenges faced by the deaf community. Spoke at outreach events of >100+ people.
- Charity Officer: University Sign Language Society.
 - Additionally taught basic British Sign Language (BSL) classes of 30+ students.