JAYDON FARAO

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SUMMARY

I am a graduate from the University of Cape Town with a BSc(Mechatronics) degree, and a MPhil in Health Innovation. I am currently a PhD researcher at UCT. I am a passionate learner whose philosophy is to learn something new every day. I have a fervour for the intersection of community-based co-design and digital healthcare, with aspirations of entering the global health and human-computer interaction field. I am pursuing opportunities for growth in my career, as well as to develop skills in innovation and researching mobile healthcare technologies, especially for community-based care.

EXPERIENCE

2023 — **Student Volunteer Co-Chair,** *COMPASS Conference 2023*

I was a co-chair at the Computing and Sustainable Societies (COMPASS) conference, co-ordinating student volunteer tasks and activities to ensure a smooth running event. My responsibilities included scheduling and tasking student volunteers throughout the conference, and the management of various tasks as required by other conference chairs.

2022 - — **Teaching Assistant,** *Department of Computer Science*

I am a teaching assistant for four courses within the Masters of IT programme in the Department of Computer Science at the University of Cape Town. This involves assisting students with any challenges related to course work and assignments, marking deliverables, as well as any needs of the lecturer.

2021 -2022 — **Research Assistant,** *Qhala Limited and Wikimedia Research Project*

I was a research assistant in a research projected looking at how content creators and content consumers on the African continent experience digital media. I conducted interviews with 16 content creators and consumers, created transcriptions which were then analysed, followed by a report and presentation on the results.

2020 -2022 — **Research Facilitator,** *Department of Computer Science*

I was a research assistant in a community-based co-design project focussing on how digital technologies can support maternal and child health in underserved communities in South Africa. I was directly involved in conducting co-design workshops in four South African provinces, analysing data, and writing up reports, all resulting in an academic publication.

2019 – 2020 — **Class Facilitator,** *Health Innovation & Design*

I am the current class facilitator of the Health Innovation & Design courses at the University of Cape Town. I am required to guide and lead the design thinking process with a group of Master's students.

2019	Instructor for Digital Health, *Health Innovation & Design*

I was a visiting researcher at University College London in the UK for three weeks, where I trained research nurses on the use of a mobile health application. I presented the app, conducted the training session, and ensured correct usage by evaluating trainees in hospitals.

2018 - 2019	Student Research Assistant, *Division of Biomedical Engineering*

During my Master's research, I was responsible for preparing resources, planning site visits, and data collection for a TB-related study at the University of Cape Town.

2018 -	Class Representative, *Health Innovation Class*

I am the current class representative of the MPhil Health Innovation class at the University of Cape Town.

2018	Snoopy! The Musical, *Lead Actor*

I was a member of the cast of Snoopy! The Musical which was produces by the Gilbert and Sullivan Society at the Artscape Theatre. I played the lead role of Snoopy.

2017	FLUX Business Challenge Competition, *Winning Team*

I was a member of the winning team for the annual FLUX Business Challenge 2017 held at UCT. Our winning idea was centred around the EduTech industry.

2017	Rent: The Musical, *Ensemble*

I was a member of the South African production of Rent: The Musical produced by the Stephan Fourie Theatre Company.

2016 - 2017	Smuts Hall, *Student Receptionist*

I was a student receptionist for 2 years

My duties included administration work within the residence as well as serving as a first communication for students and any visitors to the residence.

2016 - 2017	The Fugard Theatre, *Usher*

I was an usher at the Fugard Theatre for 2 years.

This involved making sure patrons of the theatre knew what was going on around the theatre and to assure that their experience was a comfortable one.

2016 - 2017	Connoisseur Society Committee Member (Film and Literature Society at UCT), *Events Coordinator and Secretary*

I organized the venues for every event that the society hosted, which happened almost every fortnight during the semester.

I took the minutes at meetings and distributed the information to the rest of the committee

2014	Practical Engineering Course, *CPUT*

Completed a technical course held by CPUT involving welding, turning, pneumatics and CNC design.

EDUCATION

2020 -	University – Ph.D. Computer Science, *The University of Cape Town*
2018 - 2019	University – M.Phil. Health Innovation, *The University of Cape Town*
2014 - 2017	University - BSc.(Mechatronics) (with honours), *The University of Cape Town*
2009 - 2013	High School, *Bishops Diocesan College*
2011	High School, *St John's School Leatherhead (UK Exchange)*

SKILLS

- Python programming – Intermediate proficiency. Used in my final year undergraduate thesis dealing with computer vision and machine learning.
- Project management knowledge.
- Design thinking methods.
- Research skills – reading, analysing, and interpreting technical literature.
- Qualitative interviewing and writing skills
- NVivo qualitative data analysis software – Completed the Introduction to NVivo course at UCT
- Adobe XD and prototyping – Intermediate proficiency.
- Usability testing
- Android studio app development – intermediate proficiency
- Completed the "Protecting Human Research Participants" online training course.

AWARDS

2022 -	Doctoral Fellow of The Hasso-Plattner Institute Research School at UCT
2021	Best paper during the InterSol 2021 conference.
2020 -	UCT Doctoral Package Scholarship
2020 -	NRF Scarce Skills Doctoral Scholarship
2019	Finalist in the Ahmed Kathrada Essay Writing Competition (2nd Place)
2019	NRF Innovation Scholarship
2018 -	Allan Gray Fellow
2014 - 2017	Allan Gray Candidate Fellow

2014 - 2015	Dean's List
2014	Golden Key International Honour Society
2013	Full Leadership and Academic Colours
2009 - 2013	Allan Gray Scholar

ACADEMIC OUTPUTS

2023

Toshka Lauren Coleman, Sarina Till, **Jaydon Farao**, Londiwe Deborah Shandu, Nonkululeko Khuzwayo, Livhuwani Muthelo, Masenyani Oupa Mbombi, Mamare Bopape, Alastair Van Heerden, Tebogo Maria Mothiba, Shane Norris, Nervo Verdezoto Dias, and Melissa Densmore. 2023. Reconsidering Priorities for Digital Maternal and Child Health: Community-centered Perspectives from South Africa. Proc. ACM Hum.-Comput. Interact. 7, CSCW2, Article 290 (October 2023), 31 pages. https://doi.org/10.1145/3610081

2023

Till S., Mkhize M., **Farao J**., Shandu L.D., Muthelo L., Coleman T.L., Mbombi M., Bopape M., Klingberg S., van Heerden A., Mothiba T., Densmore M., Verdezoto Dias N.X., CoMaCH Network. Digital Health Technologies for Maternal and Child Health in Africa and Other Low- and Middle-Income Countries: Cross-disciplinary Scoping Review With Stakeholder Consultation. J Med Internet Res 2023;25:e42161. DOI: https://doi.org/10.2196/42161. (Published on 7 April 2023)

2022

Sarina Till, **Jaydon Farao**,…, van Heerden A., Mothiba T., Norris S., Verdezoto Dias N.X., Densmore M. 2022. Community-based Co-design across Geographic Locations and Cultures: Methodological Lessons from Co-design Workshops in South Africa. In Participatory Design Conference 2022: Volume 1 (PDC 2022 Vol. 1), August 19-September 1, 2022, Newcastle upon Tyne, United Kingdom. ACM, New York, NY, USA, 20 pages. DOI: https://doi.org/10.1145/3536169.3537786. (Published on 19 August 2022)

2020

Conrad, N., **Farao, J**. 2020. Emergency remote teaching for design thinking in health innovation . Global Health Innovation, 3(2). DOI: https://doi.org/10.15641/ghi.v3i2.1021. (Published on 26 October 2020).

2020

Farao, J. 2020. Digital health communication in South Africa during COVID-19. *Global Health Innovation*, DOI: https://dx.doi.org/10.15641/ghi.v3i1.891. (Published on 28 May 2020).

2020

Farao J., Burse M., Mthoko H., Densmore M. 2020. Stakeholder Relations and Ownership of a Community Wireless Network: The Case of iNethi. In: Thorn J., Gueye A., Hejnowicz A. (eds) Innovations and Interdisciplinary Solutions for Underserved Areas. InterSol 2020. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 321. Springer, Cham. DOI: https://doi.org/10.1007/978-3-030-51051-0_13. (Published on 6 August 2020).

2020	**Farao J**., Malila B., Conrad N., Mutsvangwa T., Rangaka M.X., Douglas T.S. 2020. A user-centred design framework for mHealth. PLoS ONE 15(8): e0237910. DOI: https://doi.org/10.1371/journal.pone.0237910. (Published on 19 August 2020).

OUTREACH

2023	**Futuring SIGCHI Committee Member**
	· Co-founded an initiative to foster the development of early-stage researchers in an academic conference environment.
	· Conducted the inaugural workshop at the CSCW conference in Minneapolis (2023).

2022-2023	**Student Volunteer**
	· Volunteered as part of the Participatory Design Conference (2022) and the Conference On Computer-Supported Cooperative Work And Social Computing (2023).

2018 - 2019	**Biomedical Engineering Outreach Day**
	· Facilitated a session with high school learners regarding what the MPhil in Health Innovation and MSc in Biomedical Engineering entails.
	· Led a Q & A session with students on topics surrounding their future studies at UCT

2013	**Siyaphambili**
	· Co-facilitated a leadership and development programme.
	· Led a group of grade 11 boys from Claremont High School through a series of sessions that involved self-development through goal-setting, leadership and time management.