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Allwin Williams

Objective

Exploring and experimenting novel ways to express emotions through of multi-sensory interfaces and interactions

Research Interests

Multi-sensory Interactions • Musical Interface Design • Immersive installations •
Visualisation & Sonification • Creative Technology • Psychology • Interaction Design

Professional Experiences

Bigfoot.Land, Bengaluru, India

July 2024 - Present

Co-founder, Technology & Design

Building a new age personalized fashion platform with music, AI and other customisations

Product development, Web design and development

Param Innovations, Bengaluru, India

Sep 2024 - Present

Interaction designer

Building interactive and immersive exhibitions for science experience center

Installation Design, Interactive Installations, HCI, Sound Installations

Razorpay, Bengaluru, India

Mar 2022 - Sep 2024

Product designer

Building lending experiences for small businesses and start-ups in India

User research, Product management, Experience mapping, UX wireframes, Digital Prototypes, Usability testing

Cohesity, Bengaluru, India

Aug 2021 - Feb 2022

UX design intern

Designing digital interfaces stakeholders involved in server hardware maintenance

Research interviews, Experience mapping, Persona mapping, UX wireframes, Documentation

Novatr (previously Oneistox), Gurugram, India

May 2021 - Jul 2021

UX design consultant

Re-imagining knowledge section for Y-Combinator backed start-up

User research, Analysis, Brainstorming, Ideation, Wireframing

Scripbox, Bengaluru, India

Nov 2018 - Jan 2019

Software development intern

Improved on blogs section experience and investment calculators in mobile app

Web-programming, Ruby on Rails, React Native JS

Academic Teaching Experiences

National Institute of Design, R&D Campus, Bengaluru, India

Dec 2023 - Present

Visiting faculty for M.Des. Interaction Design

Conducting lectures and mentoring projects around connected devices & tangible interactions

Woxsen University, Hyderabad, India

Apr 2024 - Present

Visiting faculty for Undergraduate design

Introductory courses on new media design and web design for student projects

Education

National Institute of Design, R&D Campus, Bengaluru, India

Aug 2019 - Aug 2022

Masters in Design, Interaction Design • CGPA: 7.76 / 10

Relevant Courses: Digital media & Visualization, Design Process, Fundamentals of Interaction Design, Research Methodology, Sound design, Design Research, Multimodal Interactions, Information Design & Visualisation, System design project, Hybrid Lab: AR/VR, Simulation/Prototyping, Tangible User Interface

Coimbatore institute of technology, Coimbatore, India

Aug 2015 - Apr 2019

Bachelors in Technology, Information Technology • CGPA: 8.61 / 10

Relevant Courses: Software Engineering, Data Warehousing and Data Mining, Digital Signal Processing, Web Programming, Soft Computing, Artificial Intelligence, Machine Learning, Information Coding Techniques, Internet of Things, Cryptography, Life and Literature

Bishop Heber Hr. Sec. School, Trichy, India

Aug 2015 - Apr 2019

Science stream with Computer Science Major • Grade: 94.4%

Other Relevant Courses

Modular Synthesis using Eurorack

May 2024 - Jun 2024

Himachal Institute of Music Technology, McLeod Ganj, India

Introduction to Psychology

Aug 2020 - Nov 2020

Yale University on Coursera

Neural Networks and Deep Learning

Jan 2018 - Feb 2018

DeepLearning.AI on Coursera

Awards, Honors & Achievements

Talk on “Playful Interfaces for Experimental Music” in ADCx Gather 2024 (Audio Developer Conference - Online version)

Evolution of musical interfaces and the current trends in music instrument design

Showcased “Sentiments of Emojis” in Processing Community Day(PCD) 2021 India

Project on real-time visualization and sonification of emojis from Twitter

Showcased “Sounds of action” in Lines of Inquiry 2020 Annual design show at NID

Sonic installation featured in annual project showcase at NID for academic year 2019-20

Abhimanyu Award for achievements in extracurricular activities

Extra ordinary performance in technical and cultural(music) activities at CIT

Best performer award (All rounder) - Department of Information Technology, CIT

Combined performance in co-curricular, extra-curricular, cultural and student body activities

Secretary and Keyboardist, Music Club of CIT (Fifth Dimension Band)

Organised and participated in various cultural(music) events inside and outside campus

Founding Member and Co-ordinator, Coding Club

Key player in forming a student club for code explorations and conducted workshops

Tools

Programming: Javascript, HTML/CSS, Python, Arduino, p5.js, React Js

Visual design: Adobe Illustrator, Blender, Adobe Premiere Pro and Figma

Audio design: Logic Pro, Pure Data, VCV Rack, Modular Synthesis

Game engine: Unity

Operating systems: Windows, MacOS

Skills

Design skills: Human-first approach, User research, Systems Thinking, Sensory UX, Prototyping, Simulation, Usability testing, Inclusive design, Documentation, Design Education

Soft skills: Creative thinking, Team working, Fast learning, Project planning, Empathy



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