Omar Aburub

UX/UI Designer • HCI Researcher • AI Application Developer

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Education

Applied Science Private University   Amman, Jordan
Bachelor's Degree, Software Engineering   GPA[89.2%] Rank 16   Expected Graduation Date [2027]

Skills & Interests

AI & Machine Learning: Python, AI API Integration (Ollama Local LLM Integration), Hugging Face, Prompt Engineering, Open-Source Models
Mobile & Frontend Development: Flutter (Dart), JavaScript, JavaFX, HTML5, CSS3
UX/UI Design & Diagramming: Figma (Wireframing, Prototyping, UI Design, Plugin Development), User Research, Adobe Creative Suite (Photoshop, XD), Microsoft Visio, Visual Paradigm
CMS Development: WordPress, LocalWP
Game Development: Unity, C#
Backend & Databases: Real-Time DB (Firebase), MySQL
Automation & RPA: UiPath
Cybersecurity (CTF): Reverse Engineering (Ghidra, x64dbg), Web Security (Burp Suite), Cryptography, Digital Forensics (ExifTool, Volatility)
Academic & Documentation: LaTeX (Overleaf)
Tools & Platforms: Git, GitHub, Apache NetBeans, Android Studio, VS Code, Cursor, Replit, Microsoft Office (Excel, Word, PowerPoint)
Languages: English (Fluent), Arabic (Native)
Interests: UX UI Design, AI-Driven HCI Research, Web Application Development

Experience

Faculty of Information Technology at Applied Science Private University   Amman, Jordan
Research Assistant   May 2025 – Present
- Conducting HCI-focused research on AI-driven user interfaces under university supervision.
- Authored a computer vision-based research paper ranked among Top 15 in IEEE JCSPC 2025 Contest (Region 8).

EnthusiasTech   Riyadh, KSA
Team Lead Manager & Co-Founder   September 2024 – Present
- Lead a software solutions team delivering custom web applications for clients.
- Client Project - Global Center for Training & Consultation: Redesigning website UX/UI and improving technical infrastructure. (Aug 2025)
- Client Project - Al-Mayadi Enterprises: Supervising website redesign with focus on responsive design and improved navigation. (Sep 2024 – Present)

Software Engineering Club, IT Faculty at Applied Science Private University   Amman, Jordan
Organizer & Designer   November 2023 – Present
- Design promotional materials and plan coding competitions/workshops using Figma.
- Promoted from participant to organizer role based on design and leadership contributions.
- Managed event logistics including participant registration, judge coordination, and technical setup for hackathon-style competitions.

IEEE Jordan Section   Amman, Jordan
IEEE Student Member   June 2025 – Present
- Active participant in software engineering conferences and emerging technology workshops.

Projects

EvalUI: Computer Vision-Based Framework
Research Project & Publication
- Designed and implemented a novel computer vision pipeline that performs automated accessibility and layout quality assessment directly from UI screenshots, without requiring source code or markup.
- Developed a complete Gradio-based prototype featuring adaptive component detection, WCAG 2.1 contrast evaluation, graph-based spatial modeling, and visual saliency analysis.
- Authored a full research paper detailing the methodology, experimental validation on GOV.UK and commercial layouts, and comparative analysis against existing tools.
- Proposed a new interpretable AI framework combining OpenCV, perceptual modeling, and structural analysis to bridge HCI and computer vision for early-stage design evaluation.
- Preparing for publication and deployment on Hugging Face Spaces to provide open access to UI/UX designers and researchers.

FASBIR - National Initiatives Platform
Software Engineering Contest 3 (SEC3)
- Spearheaded the conceptualization and design of a comprehensive charity application aimed at supporting individuals in crisis regions, earning 5th place in a university-wide competition.
- Developed the full UX/UI prototype in Figma, including user flows for digital identity creation, donation processing, emergency alerts, and initiative creation.
- Defined functional and non-functional requirements, focusing on usability, security, and multi-language support to ensure accessibility for diverse users.
- Created detailed UML diagrams (Use Case, Conceptual Class) using Visual Paradigm to model system architecture and user interactions.

EYNAK - Digital Art Platform
UX/UI Competition 4th Edition
- Designed a user-centered art platform to help artists showcase, market, and sell their work in an innovative digital space.
- Conducted user research including empathy mapping and user interviews to identify key needs of artists and art collectors.
- Developed wireframes and high-fidelity prototypes in Figma, focusing on intuitive navigation, community engagement features, and a seamless artwork upload process.
- Created user stories and problem statements to align design solutions with business goals and user pain points.

SE Online - Software Engineering Learning Platform
Personal Project
- Developed a comprehensive desktop application for online software engineering courses using JavaFX for the front-end and MySQL for database management.
- Designed and implemented a relational database schema to manage users, courses, enrollments, and progress tracking.
- Built an intuitive user interface with features for user registration, course browsing, video/content playback, and admin panel for course management.
- Applied Model-View-Controller (MVC) architecture to ensure clean code separation and maintainability.

One's Mind - Psychological Puzzle Game
Software Engineering Contest 4 (SEC4) - 1st Place Winner
- Led game design and development of a 2D puzzle-adventure game themed "Upside Down," winning 1st place in a cross-departmental IT faculty competition.
- Authored comprehensive software documentation, including functional/non-functional requirements, UML diagrams (Use Case, Activity), and detailed gameplay mechanics.
- Developed core gameplay in Unity with C#, implementing character movement, dynamic illusions, puzzle systems, and memory-based narrative progression.
- Designed level architecture and psychological gameplay elements to create an immersive experience where

players unravel a scientist's trapped subconscious.
- Collaborated in a 4-person team using Agile workflows to deliver a fully functional game prototype under deadline.

EnthusiasTech Team Profile Website
Personal Initiative
- Designed, developed, and deployed the official responsive website for a software solutions team.
- Implemented modern front-end technologies to create a professional and engaging user experience that effectively communicates the team's services and vision.
- Managed full project lifecycle from concept and wireframing in Figma to coding, testing, and live deployment.
- Optimized for performance and accessibility ensuring fast load times and a seamless experience across all devices.

UI/UX Contest V5: Redesign & Refinement
Students Initiative
- Designed and launched a practical UX/UI competition challenging students to analyze, critique, and redesign an intentionally flawed/corrupted website prototype.
- Created the complete contest framework including judging criteria focused on: design matching accuracy, UX improvement, modern redesign, and clear design rationale.
- Developed the official contest manual and Figma templates used by all participants, establishing professional workflows with auto-layouts and component-based design.
- Managed the end-to-end competition from participant registration and briefing to submission review and winner selection.
- Mentored students in advanced Figma techniques and modern UX principles including visual hierarchy, spacing, color theory, and usability testing.

Awards & Achievements

Rank 691 (Individual), FlagYard CTF   Riyadh, KSA
Global Cybersecurity Platform   September 2025
- Achieved a top-tier ranking among thousands of participants worldwide in an ongoing cybersecurity challenge platform.

Rank 358 (Team), MEA Black Hat 2025   Riyadh, KSA
Middle East & Africa Cybersecurity Competition   September 2025
- Competed in a professional cybersecurity capture-the-flag (CTF) event, applying reverse engineering, web exploitation, and digital forensics skills against regional teams.

Top 15 Student Researcher in Jordan (IEEE Region 8)   Amman, Jordan
IEEE Jordan Section   July 2025
- Ranked among top 15 student researchers for the paper "EvalUI: An AI-Driven Framework for Structural Assessment of UI Layouts" at the national IEEE student paper competition (IJSPC 2025).
- Paper accepted for publication at EngiTek 2025 conference at Jordan University of Science and Technology (JUST).

Organizer & Lead Designer, UI/UX Contest V5   Amman, Jordan
Applied Science Private University   June 2025
- Promoted from participant to lead organizer, designed contest framework, manuals, and judging criteria for student teams.

Runner-Up Champion, IT Academy Champions League   Amman, Jordan
Applied Science Private University   May 2025
- Secured 2nd place in the Software Engineering track of a university-wide knowledge competition, competing through multiple elimination rounds.
- Demonstrated advanced expertise in software engineering principles against peer competitors.

- Recognized with trophies and awards for exceptional performance in competitive academic challenges.

1st Place, Software Engineering Contest 4 (SEC4)   Amman, Jordan
Applied Science Private University   Jan 2025
- Led team "DevWoops" in developing One's Mind: a psychological puzzle game in Unity/C# winning top honors in a cross-departmental IT faculty competition.

Top 10 Finalist, UI/UX Competition 4th Edition   Amman, Jordan
Applied Science Private University   June 2024
- Designed EYNAK digital art platform, showcasing strong Figma prototyping and user research skills.

5th Place, Software Engineering Contest 3 (SEC3)   Amman, Jordan
Applied Science Private University   Dec 2023
- Spearheaded the design and prototyping of FASBIR, a charity app for crisis support, recognized for innovation and social impact.

Professional Development & Engagement

Orange Innovation Hub Visit & AI/Quantum Computing Certificate   Amman, Jordan - May 2025
- Completed a professional course in Artificial Intelligence and Quantum Computing, visiting a leading innovation space to understand startup-tech collaboration.

IEEE AI Innovators Hackathon 2025 Attendee   University of Petra - May 2025
- Observed Jordanian university students present AI-driven solutions for education and healthcare, gaining insights into regional AI innovation trends.

LEAP 2025 Tech Conference Attendee   Riyadh, KSA - Feb 2025
- Gained exposure to cutting-edge innovations in robotics, AI, and entrepreneurial projects at one of the world's premier technology exhibitions.

Certificates

- Certificate for completing the Design and Develop a Website using Figma and CSS Course by Coursera.
- Certificate for completing the Customer Service with Python: Build a Chatbot using ChatGPT Course by Coursera.
- Certificate for completing the Prompt Engineering with GPT: Programming for Custom Content Course by Coursera.
- Certificate for completing the Business Analysis & Process Management Course by Coursera.
- Certificate for completing the Self Publish Your Book on Amazon Kindle Direct Publishing Course by Coursera.
- Certificate for completing the AI and Quantum Computing Course by Orange Jordan.
- Certificate for completing the Introduction to automation Course by UiPath.
- Certificate for completing the Dart 101 Course by Satr.
- Certificate for completing the Flutter 101 Course by Satr.
- Certificate of Appreciation for organizing the 5th version of UI UX Contest at ASPU.
- Certificate of Participation for participating and winning the Software Engineering Competition version 4.
- Certificate of Participation for participating in the 4th version of UI UX Contest at ASPU.
- Certificate of Participation for participating in the Software Engineering Competition version 3.

Recommendations

- Dr. Suhair Alhaj Hassan from Applied Science Private University ~ su_hassan@asu.edu.jo
- Dr. Fatimah Alhaj from Applied Science Private University ~ f_alhaj@asu.edu.jo
- Dr. Saba Kawas from Applied Science Private University ~ s_kawas@asu.edu.jo
- Dr. Omar Alsheikhsalem from Applied Science Private University ~ o_salem@asu.edu.jo