

Ali Charaoui

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EDUCATION

University of North Carolina At Charlotte

Aug. 2022 – May 2027

B.S Computer Science, B.A Architecture

Charlotte, NC

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Databases, Networks, Software Eng., Intro AI, Architectural Design Studio

EXPERIENCE

Little Diversified

Mar. 2024 – Present

Architecture + Software Engineer Intern

Charlotte, NC

- Led development of a Permit Research Database used by **300+** users, streamlining workflows with real-time data and reducing project timelines by **30%**.
- Guided a team in building a React + PostgreSQL CRUD system and delivered a Team Resources App used by **30+** users, improving data accuracy, performance, and project workflows through dynamic dashboards.
- Integrated AI tools such as SketchPro and Stable Diffusion into architectural workflows, driving innovation in design processes.

Omvra Studios

Jul. 2025 – Present

Software Developer

Charlotte, NC

- Designed and developed the Omvra Studios website using React, TypeScript, Figma, and responsive frontend architecture, translating brand direction into a polished user-facing web experience.
- Built the Heloys brand e-commerce website using Shopify, Liquid, JavaScript, and HTML/CSS, creating responsive product pages and user-facing shopping experiences.
- Collaborated directly with clients to define website requirements, translate Figma prototypes into production-ready pages, and improve overall user experience.

Sublime MediSpa

Jan. 2022 – Aug. 2023

Creative Director & Software Developer

Ottawa, ON

- Led content creation, branding, marketing strategy, and brand identity, increasing engagement with **1000+** users.
- Directed and developed custom Shopify website, improving user experience and increasing conversion rates by **15%**.
- Led cross-functional teams for content creation and brand development, aligning digital strategy with business objectives.

Events Director

Sept. 2023 – May 2024

AIAS (American Institute of Architecture Students)

Charlotte, NC

- Coordinated events for AIAS, fostering collaboration and engagement among architecture students.
- Organized workshops and guest speaker events to strengthen the student community.

PROJECTS

Restaurant Ordering System | FastAPI, PostgreSQL, Python, React, Docker

- Built a full-stack restaurant ordering platform with FastAPI, PostgreSQL, and a React frontend, implementing REST API workflows and database-backed order management.

Personal Portfolio Website | React, TypeScript, Figma, Framer

- Designed and developed a personal portfolio website showcasing software, architecture, and design projects through responsive layouts and interactive case studies.

Loushi Studios Website | React, TypeScript, Shopify

- Designing and developing an in-progress fashion e-commerce platform for a personal clothing brand, focusing on brand identity, product display systems, and scalable frontend architecture.

Achrakat | Unity, C#, Rhinoceros 3D

- Developed a 3D story-driven exploration game in Unity, implementing gliding mechanics, energy collection systems, and dynamic terrain-based world-building.

SKILLS

Programming Languages: Python, Java, SQL, C, C++, C#, HTML/CSS, JavaScript/TypeScript, Swift, SwiftUI

Frontend: React, TypeScript, JavaScript, HTML/CSS, Responsive Design, Figma, Framer

Backend & Databases: FastAPI, Flask, Node.js, PostgreSQL, MySQL, REST APIs, CRUD

Tools: Git, Docker, Linux, Shopify, Liquid, Microsoft Power Apps, SharePoint

Software: Revit, Adobe Creative Suite, Rhino 3D, Unreal Engine, Blender, Grasshopper, Unity

Concepts: Object-Oriented Programming, Web Application Architecture, SCRUM, Testing, API Design