

# Hamad Marhoon

✉ marhoon@arizona.edu    ☎ (520) 910-8834    🖱 hamadmarhoon.com    🌐 GitHub    in LinkedIn

## EDUCATION

---

### B.S. in Computer Science and B.A. in Philosophy

Aug 2020 – May 2024

University of Arizona

## PROFESSIONAL EXPERIENCE

---

### Lead Web Developer, Center for Digital Humanities

May 2022 – present

- Led a team of 7 developers in delivering complex web applications, fostering professional and technical growth
- Delivered responsive web apps using React and Firebase:
  - **ancient-to-modern.arizona.edu** ☑ - digitized a museum exhibit with 350+ items for the Arizona State Museum
  - **dcb.arizona.edu** ☑ - developed site offering augmented reality experiences of historic locations in Arizona
  - **digitalblackreligions.com** ☑ - researched online black religion with Dr. Erika Gault via Python web scraping
- Directed team using Agile methodologies, driving timely and high-quality app deployments for clients

### Technical Co-founder, Truckly ☑

May 2022 – Aug 2023

- Developed cross-platform apps using React Native and launched on Apple App Store and Google Play Store:
  - Truckly Consumer: allows food truck enthusiasts to find local food trucks on **iOS** ☑ and **Android** ☑
  - Truckly Vendor: allows food trucks to be discovered wherever and whenever they are on **iOS** ☑ and **Android** ☑
- Engineered robust back-end infrastructure using Firebase, ensuring a scalable platform that supports both apps
- Implemented automation and managed various app operations with Firebase Cloud Functions
- Incorporated Redux for state management, offline state persistence, and seamless reactivity across components
- Practiced best UI/UX practices, resulting in a user-friendly interface, rapid adoption, and positive feedback

### Resident Assistant, University of Arizona Housing

Aug 2022 – present

- Demonstrated robust problem-solving and critical thinking while managing resident conflicts and emergencies
- Collaborated on team-based initiatives, enhancing community experience and promoting connectivity
- Utilized organizational skills to orchestrate events, meet deadlines, and prioritize numerous responsibilities

## SKILLS

---

### Languages

JavaScript, TypeScript, Python, Java, C, HTML/CSS, Bash, C, SQL

### Technologies/Frameworks

React, React Native, Firebase, MongoDB, AWS, Google Cloud, Node.js, Expo, Vercel, Next.js, Redux, Git

## PROJECTS

---

### Ask Kant ☑

AI Chatbot built with LangChain, Pinecone, and GPT-4 API trained on Kant philosophy texts

### Lyrics Bot ☑

Python program paired with AWS Lambda to tweet randomized lyrics from user-selected artists

### X Tank ☑

Java-based multiplayer tank game with real-time mechanics, animations, collisions, and varied terrains