Yousef Khan

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EDUCATION

University of California, Irvine — Irvine, CA

B.S. in Computer Science — GPA: 3.97 — *Sep 2023 – Jun 2026*

- Data Structures, Discrete Structures/Math, Relational DB
- Programming in C++, Java, Python

EXPERIENCE

Software Engineering Intern — Sep 2024 - Nov 2024

CloudBees — *Irvine, CA*

- Developing a Jenkins plugin in Java to summarize debug logs using ChatGPT to streamline deployment
- Designed a scalable solution using Jenkins CI/CD, Docker, JUnit, and Apache Maven
- Releasing an open-source plugin for the Jenkins community, accessible to all

UCI ICS Staff — Learning Assistant, Undergraduate Grader — Mar 2024 – Present

ICS 6B: Boolean Logic and Discrete Structures — *Irvine, CA*

- Selected as 1 of 10 LAs (70 applicants); 1 of 4 promoted to undergraduate grader
- Proofread and graded exams, answered discussion posts, and hosted review sessions for 600+ students

Web Development Consultant — June 2024 – Sep 2024

Wedding Favorites — *Tustin, CA*

- Migrated the company website from Miva 5.5 (2007) to Miva 10.10 (2024) using modern Javascript
- Developed MivaScript features in the Miva Merchant platform utilized by 1000 users a month
- Upgraded checkout process to use Paypal/Venmo, Apple Pay, Amazon Pay, Live Chat, Sendlane
- Architected a new product import process in Python to automate transfer of 1000+ volume pricing entries

Logistics Organizer — May 2023 – Present

Hack @ UCI — *Irvine, CA*

- Spearheaded the Applications Committee, reworking the process entirely and automating calculations
- Completely reworked all club spreadsheets and implemented organization-wide standard templates

Lead Front-End Developer — Dec 2023 – Present

Muslim Interscholastic Tournament — *Irvine, CA*

- Redesigned the SoCal chapter website using React and Bootstrap
- Utilized pull requests/forks through Git and used Firebase for backend and deployment

Registration Director — Dec 2022 – Present

Youth Spiritual Summit — *Irvine, CA*

- Automated previously manual exports from MySQL Database to Google Sheets using Apps Script
- Created administrative reports using SQL to analyze data with heatmap/correlation analysis from feedback

PROJECTS

AntLogic | *React, Typescript, Firebase, Git* — Jan 2024 – Present

- Developed and deployed a full-stack web application with teammates at a UCI Hackathon (IrvineHacks)
- Utilized Firebase for accounts/user authentication and leaderboard
- Used reactflow library to create custom nodes for logic gate puzzles

ICSYAK | *Python, discord.py, Oracle Cloud, Slurm, Flask, Git* — Oct 2023 – Present

- Developed a Discord Bot to provide integration of online class forums (Ed Discussion, Piazza) in Discord
- Used to assist 1000+ UCI ICS students in 8 lower-division classes using API packages (edapi, piazza-api)
- Implemented time-based and on-demand thread-lookup by id/class and various other keys
- Used a Flask server on Oracle Cloud and UCI ICS servers (Slurm), employed GitHub to easily transfer deployments

TECHNICAL SKILLS

Languages: Python, C++, Java, Javascript/Typescript, SQL, HTML/CSS
Frameworks: React, Maven, JUnit Flask, FastAPI, unittest, Firebase
Technologies: Git, Jenkins, LLM, ChatGPT, Bootstrap, MySQL, Oracle Cloud, Node