

Ahmed "VisualPlugin" Abo-Shadi

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I'm seeking a full- or part-time position in Orange County, California. I can work remotely or in-person. My objective is to work for a software company which promotes social good and nurtures coöperative relationships!

Technical Skills

- Node.JS
- HTML5/CSS3
- React
- MongoDB
- Roblox Lua(u)
- Python
- FFmpeg
- PowerShell
- GNU/Linux
- Network Stack
- TCP/IP
- Bash
- C++
- Docker Compose
- PHP
- MySQL
- Documenting stuff
- VS Code
- UX Design

Education

University of California, Irvine – 3.671 GPA

- Completed a B.S. in Software Engineering
- Demonstrated strong proficiency in courses relating to the network stack
- Enrolled at the school of Informatics & Computer Science
- Participated at ACM; devised and presented solutions for LeetCode problems
- Started course track for MS in Software Engineering programme at CSUF

March 2024

Projects

Bring Back Buffets was a mobile web app written in JavaScript with the objective to revive buffets that had to close due to Covid. This project's user-interaction model drew inspiration from how Korean barbecue establishments operate.

- Engineered separate user interfaces for customers, cashiers, and kitchen staff
- Streamlined the Covid dining experience UX with mobile device ordering
- Developed a cashier system for efficient order tracking
- Built a front-end for bussers to ensure timely order preparation and delivery

2021-03 / 2021-04

GoAnimate Wrapper is a locally-hosted project with product features to interop with Vyond's Legacy Video Maker. With a team of community experts, Wrapper became my most significant production-level full-stack web infrastructure project.

- Created a modern Node.JS interface replicating GoAnimate's back-end functionalities
- Reverse-engineered Shockwave Flash files and analyzed legacy ActionScript code
- Delivered hundreds of engaging video experiences by May 2021
- Over 21,000 results on a YouTube query for Wrapper and derivative works

2019-12 / 2020-11

Tubeup is a project I reviewed and contributed code to re-upload my YouTube videos to the Internet Archive.

- Addressed apparent bugs within a payload of 234 YouTube videos
- Implemented fixes on GitHub to account for deleted assets
- Intuited yt-dlp's Python interface

2023-08

Work/Community Experience

Contracted Graphic Designer @ Islamic Institute of Orange County et al.

Advertised social events with non-profits, such as Islamic Institute of Orange County and Sabil USA
Commissioned to design over 20 event fliers for non-profit organizations

2016-04 / Present

Professional Engineering Course Center (on call)

Consulted in provisioning GNU/Linux file servers for office use using Ubuntu and Samba
Assisted in architectural and structural design plans of commercial and industrial sites

2015-06 / Present