

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

## Education

University of California, Irvine – 3.671 GPA

March 2024

- 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

## 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.

2021-03 / 2021-04

- 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

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.

2019-12 / 2020-11

- 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

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

2023-08

- 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

## Work/Community Experience

Contracted Graphic Designer @ Islamic Institute of Orange County et al

2016-04 / Present

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

Internship @ CSU Fullerton under the Val Tech Program

2017-09 / 2018-05

Assisted in the development of a brain-computer interface with graduate students  
Designed user interface for mock-up calibration procedure  
Project coordinated by Professor Kiran George, PhD