

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

• Network Stack	• PowerShell	• Bash	• MongoDB	• C++
• TCP/IP	• Windows	• Node.JS	• TOTP auth.	• MySQL
• Python	• GNU/Linux	• HTML5/CSS3	• Docker Compose	• Documenting Stuff
• FFmpeg	• Android/Linux	• NoSQL	• Roblox Lua(u)	• VS Code

Education

<u>University of California, Irvine</u> – 3.671 GPA	March 2024
<ul style="list-style-type: none">- 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

<u>Bring Back Buffets</u> 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. <ul style="list-style-type: none">- 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
<u>Time is Musical</u> is a musical adaptation of the WWV time station <ul style="list-style-type: none">- Streamed live on YouTube using FFmpeg's lavfi filter- Mastered, mixed, and reproduced a composition of five tracks- Devised an algorithm to uniquely select playing loops per minute- Produced 42 synth loops using FL Studio 20- Constructed Python script for stream parameters	2021-05 / 2022-02
<u>Tubeup</u> is a project I reviewed and contributed code to re-upload my YouTube videos to the Internet Archive. <ul style="list-style-type: none">- 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

<u>Internship @ CSU Fullerton</u> under the Val Tech Program 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	2017-09/2018-05
<u>Professional Engineering Course Center</u> (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