

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

## Education

<u>University of California, Irvine</u> – 3.671 GPA	March 2024
<ul style="list-style-type: none"><li>- Completed a B.S. in Software Engineering</li><li>- Demonstrated strong proficiency in courses relating to the network stack</li><li>- Enrolled at the school of Informatics &amp; Computer Science</li><li>- Participated at ACM; devised and presented solutions for LeetCode problems</li><li>- Started course track for MS in Software Engineering programme at CSUF</li></ul>	

## 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"><li>- Engineered separate user interfaces for customers, cashiers, and kitchen staff</li><li>- Streamlined the Covid dining experience UX with mobile device ordering</li><li>- Developed a cashier system for efficient order tracking</li><li>- Built a front-end for bussers to ensure timely order preparation and delivery</li></ul>	2021-03 / 2021-04
<u>GoAnimate Wrapper</u> 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. <ul style="list-style-type: none"><li>- Created and scaled a modern Node.JS interface replicating GoAnimate's back-end functionalities</li><li>- Reverse-engineered Shockwave Flash files and analyzed legacy ActionScript code</li><li>- Delivered hundreds of engaging video experiences by May 2021</li><li>- Over 21,000 results on a YouTube query for Wrapper and derivative works</li></ul>	2019-12 / 2020-11
<u>Tubeup</u> is a project I reviewed and contributed code to re-upload videos from my YouTube chanel to the Internet Archive. <ul style="list-style-type: none"><li>- Addressed apparent bugs within a payload of 234 YouTube videos</li><li>- Implemented fixes on GitHub to account for deleted assets</li><li>- Intuited yt-dlp's Python interface</li></ul>	2023-08

## Work/Community Experience

<u>Front-end Developer at Gameln</u> — a tool to match e-sports streamers and paying sponsors Implemented mobile-responsive pages using Next.js (and thus React) from existing mockups Collaborated directly with other developers and C-suite personnel	2023-09 / 2024-03
<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