

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

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|---------------------|---------------|--------------|--------------------|-----------|
| • JavaScript | • Prototyping | • Bash | • OBS Studio | • Filmora |
| • Node.js | • Python | • Powershell | • FFmpeg | |
| • React | • Git; GitHub | • GNU/Linux | • FL Studio | |
| • UI/UX | • HTML5/CSS3 | • Blockchain | • Affinity Photo | |
| • Responsive Design | • MongoDB | Knowledge | • Microsoft Office | |

Education

<u>California State University, Fullerton</u> <ul style="list-style-type: none">- Pursuing a MS in Computer Engineering- Investing in a stronger emphasis in computer hardware	prospective
<u>University of California, Irvine</u> <ul style="list-style-type: none">- Completed a BS in Software Engineering with a GPA of 3.671- Enrolled at the school of Informatics & Computer Science- Participated at ACM; devised and presented solutions for LeetCode problems- Started course track for an MSE in Computer Engineering at CSUF	March 2024
<u>Santiago Canyon College</u> <ul style="list-style-type: none">- Majored in Computer Science; graduated with an AA in Liberal Arts- Re-took courses in data structures; enrolled in STEM Academy- Earned a 4.0 GPA for major-related courses	May 2020

Projects

<u>Röblox Freedom Distribution</u> is a streamlined culmination of research to allow users to host and join Röblox servers in a local- or wide-area network. <ul style="list-style-type: none">- Created a cross-platform Python bootstrapper solution enabling seamless server-client connectivity- Collaborated with a team of developers in an agile environment to enhance product functionality through code reviews- Conducted audits for fair-use compliance and integrated legal research into the solution	Jul 2023 - current
<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 interactive customer and staff interfaces as part of a scalable web app workflow- Pioneered a responsive dining user experience (UX), optimized for mobile devices and safe dining practices- Designed and developed a cashier system and bussing tool for order preparation tracking in real-time	Mar 2021 - Apr 2021

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 a significant full-stack web infrastructure project.

- Developed a scalable Node.js-based interface to replicate a legacy system's back-end functionality
- Collaborated with the community for rapid prototyping and refinement of ActionScript code
- Facilitated the development of thousands of engaging video outputs, showcasing scalability in consumer-facing tools

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

- Utilized Python-based tooling to debug and optimize re-upload tasks for a high volume of digital video assets
- Conducted repository maintenance to integrate fixes for compatibility and modular performance

Time is Musical is a musical adaptation of the WWV time station.

- Developed a live-streaming algorithm using FFmpeg and Python to create generative music experiences
- Designed a scalable composition framework leveraging Python scripting and media design pipelines
- Integrated UX-forward features designed to engage live-stream audiences with music interactivity

Dec 2019 - Nov 2020

Aug 2023

May 2021 - Feb 2022

Work/Community Experience

Front-end Developer at Gameln a tool to match e-sports streamers and financial sponsors

- Implemented mobile-responsive pages using Next.js (and thus React) from existing mockups, enhancing user experience.
- Collaborated directly with developers and C-suite personnel to gather requirements and ensure alignment with business objectives.
- Contributed to building and presenting a team-wide slide deck in Google Slides, utilizing Figma for design consistency.

Sep 2023 - Mar 2024

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

- Advertised social events with non-profits, e.g. Islamic Institute of Orange County and Sabil USA, utilizing data-driven design strategies.
- Designed real-estate marketing materials for Berkshire Hathaway agents, focusing on effective communication of key messages.
- Commissioned to design over 20 event fliers for non-profit organizations, ensuring alignment with branding and audience engagement.

Apr 2016 - Present

Internship @ CSU Fullerton under the Val Tech Program

- Assisted in the development of a brain-computer interface with graduate students, applying analytical skills to support research objectives.
- Designed user interface for mock-up calibration procedure, enhancing usability and user experience.
- Project coordinated by Professor Kiran George, PhD, fostering collaboration and communication skills.

Sep 2017 - May 2018

Professional Engineering Course Center (on call)

- Consulted in provisioning GNU/Linux file servers for office use using Ubuntu and Samba, enhancing data management capabilities.
- Assisted in architectural and structural design plans of commercial and industrial sites, applying analytical thinking to design challenges.

Jun 2015 - Present

Raising Cane's; El Pollo Loco (customer service, part-time)

Aug 2019 - Jun 2021

- Effectively communicated with customers and team members in a fast-paced environment, enhancing customer satisfaction.
- Assumed different roles within the restaurant to support overall operations, demonstrating flexibility and teamwork.
- Handled cash transactions and utilized point-of-sale systems, ensuring accurate financial reporting.
- Addressed customer concerns and resolved issues in a positive and efficient manner, contributing to a positive customer experience.
- Analyzed pricing schemes according to market value, applying basic data analysis skills to support business decisions.