

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

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

Education

California State University, Fullerton

- Pursuing a MS in Computer Engineering
- Investing in a stronger emphasis in computer hardware

prospective

University of California, Irvine

- 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

Santiago Canyon College

- 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

Röblox Freedom Distribution is a streamlined culmination of research to allow users to host and join Röblox servers in a local- or wide-area network.

- 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

2023-07 / current

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 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

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 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

2019-12 / 2020-11

- 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

Work/Community Experience

Front-end Developer at GameIn 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.

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.

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.

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.

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

- 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.

2023-08

2021-05 / 2022-02

2023-09 / 2024-03

2016-04 / Present

2017-09 / 2018-05

2015-06 / Present

2019-08 / 2021-06

- *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.*