

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
- MySQL
- OBS Studio
- HTML5/CSS3
- FFmpeg
- C++
- Documenting Stuff
- Filmora 13
- React
- Git; GitHub
- Android/Linux
- Affinity Photo
- Blender
- MongoDB
- GNU/Linux
- Docker Compose
- FL Studio
- VS Code
- Roblox Lua(u)
- Bash
- PHP
- Microsoft Office
- OpenDocument

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.

- Developed a Python bootstrapper for clients and servers, enhancing data connectivity and integration.
- Collaborated with a cross-functional team to improve functionality through code reviews and feature development.
- Conducted compliance audits to ensure fair-use practices, aligning with data governance standards.

Jul 2023 - current

Bring Back Buffets was a mobile web app written in JavaScript aimed at reviving buffets that had to close due to Covid. This project's user-interaction model drew inspiration from how Korean barbecue establishments operate.

- Engineered user interfaces for customers, cashiers, and kitchen staff, focusing on user experience and data flow.
- Streamlined the Covid dining experience with mobile-device ordering, enhancing customer satisfaction metrics.
- Developed a cashier system for efficient order tracking, utilizing data analytics for operational improvements.

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 my most significant production-level full-stack web infrastructure project.

- *Created and scaled a modern Node.JS interface, replicating back-end functionalities and improving data processing efficiency.*
- *Analyzed legacy ActionScript code to enhance data interoperability and user engagement.*
- *Delivered hundreds of engaging video experiences, utilizing data insights to drive content creation strategies.*

Rōblox Script Executor was a command-line interface facilitating script execution on Rōblox.

- *Constructed custom syntax for script execution in Luau, improving user interaction with data-driven scripts.*
- *Introduced per-script parameterization for user ease, enhancing the overall user experience.*
- *Created a repository of 142 predefined scripts, incorporating documentation for data usage best practices.*

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

- *Addressed bugs within a payload of 234 YouTube videos, applying data analysis to identify and resolve issues.*
- *Implemented fixes on GitHub to account for deleted assets, ensuring data integrity and availability.*
- *Utilized yt-dlp's Python interface to streamline data retrieval processes.*

ScrewDja-YuJa addressed a severe vulnerability in YuJa's API that I identified and reported.

- *Led the effort to release a major security patch within 48 hours, demonstrating problem-solving and technical skills.*
- *Analyzed saved videos and metadata, ensuring data security and compliance with best practices.*

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

- *Streamed live on YouTube using FFmpeg's lavfi filter, applying data analysis to optimize streaming parameters.*
- *Mastered, mixed, and reproduced a composition of five tracks, utilizing data-driven techniques for sound quality enhancement.*
- *Developed an algorithm to uniquely select playing loops per minute, showcasing advanced data manipulation skills.*

Webhooky was a lightweight, database-driven webhook proxy for Rōblox games interacting with Discord's webhook API.

- *Utilized PHP, SQL (MySQL), and PHPMYAdmin to process and store request logs, enhancing data management capabilities.*
- *Empowered over 200 game developers to transfer data to Discord, demonstrating the impact of data integration solutions.*
- *Monitored and tracked infrastructure usage stats on cPanel, applying data analytics for performance optimization.*

Rōblox Custom Catalogue was a prospective Free marketplace licensed under GNU GPL.

- *Designed a user interface using Rōblox Studio, focusing on data presentation and user engagement.*
- *Enabled users to sell hats,*

Dec 2019 - Nov 2020

Jul 2022 - May 2023

Aug 2023

Dec 2022

May 2021 - Feb 2022

Feb 2018 - Sep 2019

Jun 2021 - May 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)*

- 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.

Aug 2019 - Jun 2021