

# 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

<p><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.</p> <ul style="list-style-type: none"> <li>- Created and scaled a modern Node.JS interface, replicating back-end functionalities and improving data processing efficiency.</li> <li>- Analyzed legacy ActionScript code to enhance data interoperability and user engagement.</li> <li>- Delivered hundreds of engaging video experiences, utilizing data insights to drive content creation strategies.</li> </ul>	Dec 2019 - Nov 2020
<p><u>Rōblox Script Executor</u> was a command-line interface facilitating script execution on Rōblox.</p> <ul style="list-style-type: none"> <li>- Constructed custom syntax for script execution in Luau, improving user interaction with data-driven scripts.</li> <li>- Introduced per-script parameterization for user ease, enhancing the overall user experience.</li> <li>- Created a repository of 142 predefined scripts, incorporating documentation for data usage best practices.</li> </ul>	Jul 2022 - May 2023
<p><u>Tubeup</u> is a project I reviewed and contributed code to re-upload videos from my YouTube channel to the Internet Archive.</p> <ul style="list-style-type: none"> <li>- Addressed bugs within a payload of 234 YouTube videos, applying data analysis to identify and resolve issues.</li> <li>- Implemented fixes on GitHub to account for deleted assets, ensuring data integrity and availability.</li> <li>- Utilized yt-dlp's Python interface to streamline data retrieval processes.</li> </ul>	Aug 2023
<p><u>ScrewDja-YuJa</u> addressed a severe vulnerability in YuJa's API that I identified and reported.</p> <ul style="list-style-type: none"> <li>- Led the effort to release a major security patch within 48 hours, demonstrating problem-solving and technical skills.</li> <li>- Analyzed saved videos and metadata, ensuring data security and compliance with best practices.</li> </ul>	Dec 2022
<p><u>Time is Musical</u> is a musical adaptation of the WWV time station.</p> <ul style="list-style-type: none"> <li>- Streamed live on YouTube using FFmpeg's lavfi filter, applying data analysis to optimize streaming parameters.</li> <li>- Mastered, mixed, and reproduced a composition of five tracks, utilizing data-driven techniques for sound quality enhancement.</li> <li>- Developed an algorithm to uniquely select playing loops per minute, showcasing advanced data manipulation skills.</li> </ul>	May 2021 - Feb 2022
<p><u>Webhooky</u> was a lightweight, database-driven webhook proxy for Rōblox games interacting with Discord's webhook API.</p> <ul style="list-style-type: none"> <li>- Utilized PHP, SQL (MySQL), and PHPMysqlAdmin to process and store request logs, enhancing data management capabilities.</li> <li>- Empowered over 200 game developers to transfer data to Discord, demonstrating the impact of data integration solutions.</li> <li>- Monitored and tracked infrastructure usage stats on cPanel, applying data analytics for performance optimization.</li> </ul>	Feb 2018 - Sep 2019
<p><u>Rōblox Custom Catalogue</u> was a prospective Free marketplace licensed under GNU GPL.</p> <ul style="list-style-type: none"> <li>- Designed a user interface using Rōblox Studio, focusing on data presentation and user engagement.</li> <li>- Enabled users to sell hats,</li> </ul>	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