

# Ahmed "VisualPlugin" Abo-Shadi

+1 (714) 463 5142 [www.github.com/Windows81](https://www.github.com/Windows81) [aboshadi.n.ahmed@gmail.com](mailto:aboshadi.n.ahmed@gmail.com)

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

<u>California State University, Fullerton</u> <ul style="list-style-type: none"><li>- Pursuing a MS in Computer Engineering</li><li>- Investing in a stronger emphasis in computer hardware</li></ul>	prospective
<u>University of California, Irvine</u> <ul style="list-style-type: none"><li>- Completed a BS in Software Engineering with a GPA of 3.671</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 an MSE in Computer Engineering at CSUF</li></ul>	March 2024
<u>Santiago Canyon College</u> <ul style="list-style-type: none"><li>- Majored in Computer Science; graduated with an AA in Liberal Arts</li><li>- Re-took courses in data structures; enrolled in STEM Academy</li><li>- Earned a 4.0 GPA for major-related courses</li></ul>	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"><li>- Developed a Python bootstrapper for clients and servers, enhancing data connectivity and integration.</li><li>- Collaborated with a cross-functional team to improve functionality through code reviews and feature development.</li><li>- Conducted compliance audits to ensure fair-use practices, aligning with data governance standards.</li></ul>	2023-07 / current
<u>Bring Back Buffets</u> 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. <ul style="list-style-type: none"><li>- Engineered user interfaces for customers, cashiers, and kitchen staff, focusing on user experience and data flow.</li><li>- Streamlined the Covid dining experience with mobile-device ordering, enhancing customer satisfaction metrics.</li><li>- Developed a cashier system for efficient order tracking, utilizing data analytics for operational improvements.</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.	2019-12 / 2020-11

- 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.

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

2022-07 / 2023-05

- 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.

2023-08

- 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.

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

2022-12

- 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.

2021-05 / 2022-02

- 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 Röblox games interacting with Discord's webhook API.

2018-02 / 2019-09

- 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.

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

2021-06 / 2022-05

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

## Work/Community Experience

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

2023-09 / 2024-03

- 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.

2016-04 / 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.

2017-09 / 2018-05

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.

2015-06 / 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.

2019-08 / 2021-06