

# Ahmed "VisualPlugin" Abo-Shadi

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I am available for a full-time position (remote or in-person) from September 2023 within Orange County, California.  
I would love to work for a software company which promotes social good and nurtures coöperative relationships.

## Technical Skills

- Node.JS
- HTML5/CSS3
- Python
- PowerShell
- FFMPEG
- GNU/Linux
- Bash
- C++
- C# (.NET)
- Roblox Lua(u)
- Affinity Photo
- PHP
- FL Studio
- MySQL
- Microsoft Office
- Shotcut
- Blender
- VS Code
- OBS Studio
- OpenDocument

## Education

University of California, Irvine – 3.64 GPA and rising

BS in Software Engineering at the school of Informatics & Computer Science by 2025.

Participated at ACM; devised/presented solutions for LeetCode problems.

Started course track for M.S. in Software Engineering programme.

June 2023

Santiago Canyon College – 3.6 GPA (4.0 in major)

Majored in Computer Science; graduated with an A.A. in Liberal Arts.

Took courses in data structures; enrolled in STEM Academy.

May 2020

## Projects

Röblox Script Executor is a command-line interface that makes running scripts on Roblox.

- Built a custom syntax for script execution in Roblox on top of the existing Luau language.
- Introduced per-script parameterization, when a normal GUI wouldn't make it that easy for users.
- Created 142 predefined scripts in a sister repository, many of which have help pages.

2022-07 / Present

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

- Drafted a sleek and modern user interface for the using Röblox Studio, sans 3rd-party libraries.
- Allows users to sell hats, accessories, and packages outside the official Röblox avatar store.

2021-06 / 2022-05

Screwджа-YuJa was a severe vulnerability in YuJa's API.

- Allowed accessing all saved videos and their respective metadata.
- Developed a Python script that scraped metadata from YuJa and stored it in a SQLite file.
- Reported to YuJa and found the exploit to be resolved after ~2 days.

2022-12

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

- Plays a unique index-based composition of five loops every minute of the day.
- Produced 42 unique synth loops using FL Studio 20.
- Constructed Python script to generate stream parameters.
- Streamed live on YouTube using FFmpeg's lavfi filter.

2021-05 / 2022-02

Webhooky was a lightweight, database-driven webhook proxy project intended for ROBLOX games to interact with Discord's webhook API.

- Made use of PHP, MySQL, and PHPMyAdmin to process and store request logs.
- Over 200 game developers used the service to help transfer data to Discord.

2018-02 / 2019-09

Windows81.github.io is a personal website hosted on GitHub Pages.

- Compiles my creative 3D-showcasing work on Röblox.
- Incorporates elements of responsive philosophy.
- Hand-coded using HTML and CSS, sans third-party frameworks.

2020-05

## Work/Community Experience

### Röblox Tutor at IIOC Community Center

*Preparing a curriculum for basic and intermediate Röblox development  
Establishing an audience of students aged approx. 8 through 11.  
Carefully selected an adequate pricing scheme according to market value.*

2023-06/2023-08

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

*Advertised social events with non-profits, such as Islamic Institute of Orange County and Sabil USA.  
Designed real-estate marketing materials for Berkshire Hathaway agents.  
Commissioned to design over 20 event fliers for non-profit organizations.*

2016-04/2020-03

### Internship @ CSU Fullerton – under the Val Tech Program.

*Assisted in the development of a brain-computer interface with graduate students.  
Designed user interface for mock-up calibration procedure.  
Project coordinated by Professor Kiran George, PhD.*

2017-09/2018-05

### Professional Engineering Course Center

*Consulted in provisioning GNU/Linux file servers for office use using Ubuntu and Samba.  
Assisted in architectural and structural design plans of commercial and industrial sites.*

ON CALL