

Ahmed "VisualPlugin" Abo-Shadi

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

Technical Skills

- Node.JS
- Python
- C++
- Testing
- Blender
- HTML5/CSS3
- FFmpeg
- Docker Compose
- Affinity Photo
- VS Code
- React
- PowerShell
- PHP
- FL Studio
- OpenDocument
- MongoDB
- GNU/Linux
- MySQL
- Microsoft Office
- LabView
- Roblox Lua(u)
- Bash
- Documentation
- OBS Studio

Education

University of California, Irvine – 3.67 GPA and rising

before June 2024

- Currently finishing BS in Software Engineering under part-time study
- Enrolled at the school of Informatics & Computer Science
- Achieved a 3.80 GPA for all in-person courses (Fall 2021 and later)
- Participated at ACM; devised and presented solutions for LeetCode problems
- Started course track for MS in Software Engineering programme at CSUF

Santiago Canyon College – 3.6 GPA

May 2020

- 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

Projects

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

2022-12

- Sparked effort to a major API patch after ~2 days
- Exposed saved videos and metadata, resolved after notification

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

2021-05 / 2022-02

- Streamed live on YouTube (RTMP) using FFmpeg's lavfi filter
- Mastered, mixed, and reproduced a composition of five tracks
- Produced 42 unique synth loops using FL Studio 20
- Automated stream parameters using a Python script
- Documented file structure and internal logic

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.

2021-03 / 2021-04

- Engineered separate user interfaces for customers, cashiers, and kitchen staff
- Streamlined the Covid dining experience UX with mobile device ordering
- Developed a cashier system for efficient order tracking
- Built a front-end for bussers to ensure timely order preparation and delivery

Tubeup is a project I contributed code to enable efficient re-upload of a significant portion of a YouTube channel to the Internet Archive.

2023-08

- Addressed apparent bugs within a payload of 234 YouTube videos
- Implemented fixes on GitHub to account for deleted assets
- Validated pull requests against CI test frameworks
- Intuited yt-dlp's Python interface

Work/Community Experience

<u>Contracted Graphic Designer @ Islamic Institute of Orange County et al</u> <i>Advertised social events with non-profits, such as Islamic Institute of Orange County and Sabil USA</i> <i>Designed real-estate marketing materials for Berkshire Hathaway agents</i> <i>Commissioned to design over 20 event fliers for non-profit organizations</i>	2016-04 / Present
<u>Internship @ CSU Fullerton</u> <i>under the Val Tech Program</i> <i>Assisted in the development of a brain-computer interface with graduate students</i> <i>Designed user interface for mock-up calibration procedure</i> <i>Project coordinated by Professor Kiran George, PhD</i>	2017-09 / 2018-05
<u>Professional Engineering Course Center</u> <i>(on call)</i> <i>Consulted in provisioning GNU/Linux file servers for office use using Ubuntu and Samba</i> <i>Assisted in architectural and structural design plans of commercial and industrial sites</i>	2015-06 / Present