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
- HTML5/CSS3
- React
- MongoDB
- Roblox Lua(u)

- Python
- FFmpeg
- PowerShell
- GNU/Linux
- Bash

- C++
- Docker Compose
- PHP
- MySQL
- Documentation

- Testing
- Affinity Photo
- FL Studio
- Microsoft Office
- OBS Studio

- Blender
- VS Code
- OpenDocument
- LabView

Education

University of California, Irvine – *3.671 GPA*   March 2024

- *Completed a B.S. in Software Engineering*
- *Enrolled at the school of Informatics & Computer Science*
- *Demonstrated strong proficiency in courses relating to the network stack*
- *Participated at ACM; devised and presented solutions for LeetCode problems*
- *Started course track for an MSE in Computer Engineering at CSUF*

Santiago Canyon College – *3.6 GPA*   May 2020

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

- *Bootstrapped effort to release a major security 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 paraters using a Python script*
- *Documented file sturcture 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</u> *et al*   2016-04 ⁄ Present
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

<u>Internship @ CSU Fullerton</u> *under the Val Tech Program*   2017-09 ⁄ 2018-05
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

<u>Professional Engineering Course Center</u> *(on call)*   2015-06 / Present
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

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