Daniel Phan

Full Stack, Bachelor of Computer Science, Game Design Minor

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EDUCATION

Texas A&M University, College Station — 3.757

08/2018 - 05/2022

EXPERIENCE

HDL Research Lab, Brenham, TX — *Software Engineer Intern*

09/2019 - 09/2020

- Created a server-client program with a GUI utilizing C++, Qt, and Boost libraries that built and maintained a database. Featured a login system and user roles for personalized experience. Managed user expectations and developed features as feedback was gathered. Supported Windows XP, Vista, 7, 8, 10, and Linux subsystems.
- Started a cross-OS file sharing system on an Ubuntu server which helped over 100 employees organize datasheets and blueprints.
- Computer hardware maintenance, assembly, and disassembly.
- General I.T. networking, permissions management, and virus cleaning.

PROJECTS

Solarbitrage

- Performed arbitrage on the Solana blockchain. Traded on the automated market makers, Orca and Raydium, by calculating profitable trades between their shared cryptocurrency pools.
- Firebase's Realtime database and Firestore were used to store persistent data used for back-testing and displaying data on a web based dashboard.
- Javascript, React, and Bootstrap used on the front-end for overall theming and user experience.
- Typescript and Node.js were used in the back-end for the arbitrage algorithm and database interactions.

Minecraft Multiplayer Records

- Personal Ruby on Rails web application. Made importing custom music into multiplayer Minecraft easier.
- Upload music files to a web page and download a zipped file that contains converted files that could be imported into a Minecraft server.

Recycle Or Die

- Software developer for a virtual reality application. Taught users what types of materials could be recycled.
- Developed inside Unity using the XR Interaction Toolkit, targeted Oculus Quest 2 platforms.

Veterinarians Without Borders Members' Tracker

- Web application using Ruby on Rails and PostgreSQL for a Texas A&M club. Supported an editable home page, file uploading, logins with Google OAuth, and an attendance tracker with QR codes.

LINKS

Personal Website:
https://danisme.com

LinkedIn:
https://linkedin.com/in/daniel-phan-006860191

Github:
https://github.com/dantp0929

SKILLS

Front-end and Back-end

C++ | Java | Python

JavaScript | Node.js | React

PostgreSQL | MySQL | Firebase

Git | CI/CD

Agile | Scrum | Prototyping

AWARDS

Dean's Honor Roll (06/2019)

HDL Research Lab Scholarship 2000$ Reward (08/2020)

Distinguished Student Award (12/2020)