Aymeric Foyer

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EDUCATION

Colorado College
BA in Computer Science
Graduated in 2020
Cum. GPA: 3.55

SKILLS

Software Languages:
Java • JavaScript • Python • CSS/SCSS • HTML
Familiar with C#

Frameworks:
Familiar with
BASH • mySQL

Tools:
Git • React • React-Native • Illustrator • Photoshop • Lightroom • Adobe XD • Premiere Pro • After Effects • Figma •
Familiar with Unity

COURSEWORK

Data Structures
Analysis of Algorithms
Discrete Mathematics
Theory of Computation
Computer Systems
Computer Graphics
Video Game Programming
Software Design
(Object-Oriented Programming)

ACTIVITIES

Colorado College eSports Team
Japanese Language Table
Mahjong Club
Photography Group

LANGUAGES

French - Fluent
English - Fluent
Japanese - Professional Proficiency

PROJECTS

Adventures-in-time.com 2020

- Worked with client to update website with simpler and responsive design through designing programs and the use of React.
- Improved website load-times by optimizing image-loading by around 80 percent.
- Designed all the website content to work both on mobile and desktop.

Campus Event Application December 2019- March 2020

- Worked as a team of five and the head of college's campus activities on creating a Full Stack React-Native app to boost student participation in college events.
- Parsed college's RSS feed to gather events to add to the database including date and location along with hook to connect to the phone's calendar app with given information.
- Created User Interface that allows intuitive navigation between screens.

Radiosity-Based Renderer 2019

- Java-based proof of concept Cornell Box rendering with global illumination.
- Built to be configurable with different light resolutions and passes to render with more/less detail. Once rendered the scene is viewable in real-time in 3D.
- Created dot matrix on 3D-planes for light calculations using arrays and linear calculations to place points along the plane.
- Created functions to check if a path between two points was obstructed or not in order to assign new light values accordingly.

Calendar Program September 2019

- Made as a team of three using MySQL database, the JavaFX library, and Java that lets users store and organize events by date and priority.
- Used a View-Model-Controller architecture. Created the user interface, and functions that connect the UI to the controller and the model to the UI along with user-interaction protection to eliminate impossible cases.
- Created test cases to see if all events show and if the correct event gets fetched when requested from the SQL server.