Aymeric Foyer

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EDUCATION

Colorado College
Bachelor of Arts
Computer Science
Cum. GPA: 3.55
Graduated in 2020

SKILLS

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

Frameworks:
React • React-Native
Familiar with
BASH • mySQL

Tools:
Git • 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 the client to update their website with a simpler and more responsive design through Figma and the use of React.
- Improved website load-times by optimizing image-loading through various methods.
- Designed all the website content to work both on mobile and desktop and improved readability.

Campus Event Application December 2019- March 2020

- Worked as a team of five and the head of the 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 the date and time. This later became important as we could import all previous events to our own database in Firebase.
- Created User Interface that allows intuitive navigation between screens with easy connection to each event by having thoughtful links to information such as dates, titles, and links to events that were all fed from the database.

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 dot's 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.
- 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 that would cause errors.
- Created test cases to see if all events show and if the correct event gets fetched when requested from the SQL server.