Aymeric Foyer

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EDUCATION

Colorado College | Bachelor of Arts in Computer Science   August 2016 - May 2020
- GPA: 3.55/4.0.
- *Japanese Linguistics Minor.*

EXPERIENCE

Freelance Web Developer   July 2020- September 2020
[React, JavaScript, HTML, SCSS]   *adventures-in-time.com*
- Designed and updated client's website with a simpler and more responsive design through Figma and the use of React to display his current books along with links to available e-stores. Standardized output for mobile and desktop.
- Improved website load-times by optimizing image-loading through various methods, speeding rendering up by around 60%. Also reduced overall files by about 90% through smarter and more thoughtful content formatting.

PROJECTS

Campus Event Application   March 2019 - March 2020
[React-Native, JavaScript, Python, Firebase]
- Led a team of five and worked alongside 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, enabling robust management.
- Designed UI with customizable event cards for an intuitive and clean look.

Radiosity-Based Renderer   October 2019
[Java]
- Built a configurable scene renderer in Java that, once processed, can be viewed in real-time 3D with almost zero impact on performance when redrawing the scene and with realistic lighting and shading.
- Created dot matrix structures on 3D-planes for light calculations using arrays and linear calculations to place points along the plane. Customizable for denser/thinner concentration of dots on a plane to improve fidelity and performance.
- Wrote path checking functions between two points and performed optimizations such as avoiding dots that are part of the same plane, speeding up render.

Block Calendar   September 2019
[Java, CSS, MySQL]
- Led a team of three on a program that lets users store and organize events by date and priority-based around Colorado College's block plan.
- Composed the user interface, and functions that connect it to the database.
- Designed test cases for efficient release verification.
- Created test cases to see if all events show and if the correct event gets fetched when requested from the SQL server.

SKILLS

Programming Languages: Java, JavaScript, HTML, CSS\SCSS, Python, SQL.
Tools/Frameworks: React, React-Native, NodeJS, Adobe Creative Suite, Figma, Git.
Spoken Languages: French, English, Japanese.