Arnav Thirunagari

arnav@ucsb.edu | www.arnav.pro

Skills:

Languages: C#, java, javascript, python, swift

Game Development: Unity

Web Development: node.js, react.js express.js, MongoDB, Firebase

App Development: iOS SDK, Flutter, React Native

Education:

University of California at Santa Barbara

B.S. Mathematics - College of Creative Studies

Expected Graduation: June 2023

Projects:

Ninth Circle (2021) - A puzzle game about a lost creature stuck in a tower. The game is made using the Unity game engine.

Live: https://rnv.itch.io/ninth-circle

Mandelbrot and Julia Set Visualizer (2021) -

A tool used to assist research of quadratic iterators, fixed point theory, Julia sets, and the Feigenbaum number. There are two versions of this: one in Unity and one using react.js.

Live: https://julia-set.herokuapp.com/ (react.js), https://rnv.itch.io/julia (Unity)

Code: https://github.com/arnav404/julia (react.js)

Royale (2019) -

An online trivia game (iOS app) where users compete against each other in a battle royale format. Used SocketIO and node.js for the backend and the iOS SDK for the frontend.

Code: https://github.com/arnav404/royaleclient,

https://github.com/arnav404/royaleserver

Chess (2021) - in progress

An website to play chess online against other players or an Al. Written using the MERN stack with SocketIO.

Code: https://github.com/arnav404/chess

Work experience:

Summer Camp Math Tutor at Random Math Inc. (2016-2019)

Random Math Inc. specializes in teaching elementary to middle schoolers to master crucial concepts required to excel at problem solving. Prepared over 30 students for not only math competitions and future high school classes but also helped them understand and solve everyday problems using math.