

# CHRIS SERRAO

cserrao@umass.edu

• [www.linkedin.com/in/chris-serrao-64360a199/](https://www.linkedin.com/in/chris-serrao-64360a199/)

• (617)909-7328

Website: [uvrays123.github.io/website/](https://uvrays123.github.io/website/)

## EDUCATION

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### University of Massachusetts Amherst, *Amherst, MA*

#### Sept 19 - Present

B.S. in Computer Science, GPA: 3.93/4

**Relevant Courses:** Introduction to Problem Solving with Computers, Programming with Data Structures, Programming Methodologies, Introduction to Computation and Discrete Mathematics, Calculus, Multivariate Calculus, Computer Systems Principles, Linear Algebra

## TECHNICAL PROJECTS

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### Youtube- Clone

*Aug 20-Sept 20*

- Built a Youtube clone using the Youtube public API.
- The designing of the project is done in React. This project is linked to the API in the back-end using AJAX.
- The Project can be accessed here: <https://github.com/uvrays123/youtube-clone>
- The Demo of the Project can be accessed at: <https://uvrays123.github.io/youtube-clone/>

### Unsplash Images- Clone

*July 20-Aug 20*

- Built an Unsplash Images application clone using the Unsplash Images public API.
- The designing of the project is done in React. This project is linked to the API in the back-end using AJAX.
- The Project can be accessed here: <https://github.com/uvrays123/unsplash-images-clone>
- The Demo of the Project can be accessed at: <https://uvrays123.github.io/unsplash-images-clone/>

### Tic Tac Toe AI

*June 20-July 20*

- Built a Tic Tac Toe game using the Minimax Algorithm.
- Tic Tac Toe computer algorithm also uses Alpha-Beta pruning to improve efficiency. It is built using React.
- The Project can be accessed here: <https://github.com/uvrays123/Tic-Tac-Toe-AI>
- The Demo of the Project can be accessed at: <https://uvrays123.github.io/Tic-Tac-Toe-AI/>

### Forkify- A Recipe Finder

*May 20-June 20*

- This recipe finder application uses API's as a database for all the recipes. I
- It is build using HTML, CSS, Modern JavaScript and AJAX. It displays recipes according to a user's search.
- It also has features such as favorites and shopping list which are saved for the user's next visit.
- The Project can be accessed here: <https://github.com/uvrays123/Forkify-Recipe-Finder>
- The Demo video of the Project can be seen on my website: <https://uvrays123.github.io/website/>

### Budget Calculator

*April 20-May 20*

- Built a Budget Calculator that calculates the monthly budget of a user. It is built using HTML, CSS and JavaScript.
- The Budget Calculator sorts the incomes and expenses of the user for the respective month.
- The Project can be accessed here: <https://github.com/uvrays123/Budget-Controller>
- The Demo of the Project can be accessed at: <https://uvrays123.github.io/Budget-Controller/>

### DOM Game

*Mar 20-April 20*

- Built a simple 2 player dice game. It works on the principles of DOM Manipulation
- It uses basic HTML, CSS and JavaScript
- The Project can be accessed here: <https://github.com/uvrays123/DOM-Project>
- The Demo of the Project can be accessed at: <https://uvrays123.github.io/DOM-Project/>

## SKILLS

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**Technical:** Java, HTML, CSS, JavaScript, React, AJAX, C

**Database Management:** CouchDB, MinIO

**Extracurricular:** Music (3<sup>rd</sup> Grade Theory and 1<sup>st</sup> Practical from Trinity College of London in Piano)