

# Ryan Truong

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## EDUCATION

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### University of California San Diego

*B.S. in Bioinformatics, Minor in Computer Science*

- GPA: 3.91/4.00

San Diego, CA

*September 2019 – June 2023*

## EXPERIENCE

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### UCSD Health

*Software Engineer*

San Diego, CA

*September 2023 – Present*

- Collaborated at the Quality, Innovation, Value and Efficiency in Radiotherapy (QUIVER) Center on the ORBIT-RT and ARTemis project
- Maintained the ORBIT-RT website, ensuring its functionality and user experience met research and industry standards by utilizing **Meteor.js**, **JavaScript**, **HTML**, and **Less/CSS** on the user-facing side and **MongoDB** on the backend
- Worked on the ARTemis project, a tool allowing clinical radiotherapy doctors and researchers to analyze medical imaging files by converting them into viewable metrics and graphs. Utilized **Prism**, **C# .NET**, and **Python** to perform bug fixes on the existing application and produce new features
- Provided a means for 100+ ORBIT-RT users, researchers and doctors to download adaptive radiotherapy treatment plans for further research and implementation in a clinical setting. Created a medium for clinical researchers to download and use QUIVER's automated tools

### Code Ninjas

*Code Sensei*

San Diego, CA

*March 2022 – Present*

- Assisted over 100+ young students in their early stages of coding to solve **JavaScript**, **C# (Unity)**, and **Scratch** curriculum
- Taught students the fundamentals of programming, debugging, and software engineering by solving game design related problems
- Obtained positive feedback via parents in relation to their child's motivation to pursue programming, improvement in problem solving, and ability to write code

### ACM at UCSD

*Frontend Developer*

San Diego, CA

*June 2022 – May 2023*

- Collaborated as a team member of student developers responsible for maintaining and enhancing the website of UCSD's ACM Chapter
- Worked in an agile, industry-like environment to ensure functionality of the website was maintained, information was updated, and new features were added
- Leveraged **React**, **TypeScript**, **HTML** and **Less/CSS** to continuously integrate new features on the user-facing side of the student portal and main website
- Facilitated a thriving online community for over 1000+ students, enabling them to easily connect and access information about events of interest within UCSD's ACM Chapter

## PROJECTS

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### LitHub Music Notetaker | [GitHub](#)

September 2022 – December 2022

- Worked with a team of 10 student developers to create a file organization and note taking app for musicians
- Emphasized on design and frontend functionality which entailed creating wireframes, implementing user-facing features, and maintaining proper user flow with extensive testing
- Leveraged **Electron** alongside with **JavaScript**, **HTML**, and **CSS** to create a downloadable, functioning desktop application

## SKILLS

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**Languages:** JavaScript, TypeScript, HTML/CSS, Python, Java, C++, C#, SQL, MATLAB

**Libraries & Frameworks:** React, Next.js, Meteor.js, .NET, Electron, MongoDB, Bootstrap, Less, Express, Node.js, Jest, JUnit

**Developer Tools:** Git, GitHub, Bitbucket, VS Code, LaTeX

**Design:** Photoshop, Figma, Notion, Miro