

Ryan Truong

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EDUCATION

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

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**, **Less/CSS**, and **MongoDB**
- 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 ARTemis application and produce new features
- Provided a means for 100+ ORBIT-RT users, researchers and doctors to download adaptive radiotherapy treatment plans and automated tools for further research and implementation in a clinical setting

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

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 **JavaScript**, **HTML**, and **CSS** to create a downloadable, functioning desktop application

SKILLS

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