

Michael Pham
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Education

De Anza Community College - Cupertino, CA
Computer Science

September 2019 - June 2022

University of California, Riverside -Riverside, CA
Computer Science

September 2022 - Present

Experience

Trapnstudio
Software Engineer

September 2023 - Present

- Developed a web application enabling live music cueing for DJs, enhancing user-DJ interaction during events.
- Flutter, Dart, Github, Visual Studio Code
- Implemented a real-time notification system to alert DJs of user-submitted music requests, increasing engagement and responsiveness.
- Used Spotify API to display tempo and Camelot wheel values to the DJ in order to smooth transitions between songs and enhance user experience.
- Development process uses Scrum, with weekly sprints, daily standups, and pair programming
- Worked with marketing team to deliver highly polished commercial product releases

Projects

Rail Shooter Game

- Developed an engaging rail shooter web application game for UCR Cutie Hack, a 12 hour competitive hackathon organized by students and sanctioned by the Computer Science Department.
- Javascript, HTML 5 Canvas API, Github, Visual Studio Code
- My responsibilities were to implement user input and user-enemy interactions.
- Worked with a group of three
- Awarded Best Project Theme
- Learned Javascript, and how HTML 5 Canvas and Javascript interact with each other

Maze Escape Game

- Developed a dynamic maze Unity game for UCR Citrus Hack , a 24 hour competitive hackathon organized by students and sanctioned by the Computer Science Department.
- Unity, C#, Github, Visual Studio Code
- My responsibilities were to implement maze creation logic, user input, scoring, and gameplay mechanics
- Learned about different types of maze creation algorithms, and the Unity Game development environment

Extracurriculars

UCR Solar Car Club

- Developed website components for the UCR Solar Car Club
- Javascript, HTML, CSS, React
- Learned how React is used in the front-end of websites

Vietnamese Student Association

- Social club involving hundreds of members
- Participated in fundraisers and various social events

Coursework

- Data Structures and Algorithms

- Discrete Structures
- Linux/Unix
- Machine Organization and Assembly Language
- Software Construction

Work Experience

Music Instructor

August 2020 - December 2022

- Effectively lead and developed up to 10 students in the marching arts
- Ensured musical growth, discipline, and success in competitive performances via strongly involved instruction
- Responsibilities included: planning and developing personalized plan for fostering musical growth of students, designing a marching arts show and writing, planning day-to-day and long term schedules, planning transportation logistics