Ryan Dimaranan

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EDUCATION

The University of Texas at Austin   Austin, TX
Master of Science in Computer Science   *Aug. 2023 – present*

The University of Texas at Dallas   Richardson, TX
Bachelor of Science in Computer Science — GPA: 3.92   *Aug. 2019 – Dec. 2022*
- **Extracurriculars**: ACM UTD (Project Manager), Comet Symphonique, Filipino Student Association
- **Honors**: Academic Excellence Scholarship, Dean's List, Collegium V Honors, Magna Cum Laude
- **Relevant Coursework**: Machine Learning (Graduate), Design and Analysis of Computer Algorithms (Graduate), Natural Language Processing, Automata Theory, Programming Language Paradigms, Operating Systems

EXPERIENCE

Associate Software Engineer   Jan. 2023 - present
Paramount Global (Paramount+ Web)   *Burbank, CA (Remote)*
- Developing and maintaining front-end web features for Paramount+

Software Engineering Intern   Jun. 2022 - Jan. 2023
Paramount Global (Paramount+ Web)   *Burbank, CA (Remote)*
- Addressed critical production bugs in existing JavaScript and PHP services, reducing outstanding backlog by 25%
- Created a tool with PyQt that implemented polynomial regression using NumPy to dynamically size 50+ logos based on a curated data set with optimal aspect ratios
- Implemented impression tracking to support new features and collect statistical data from a user base of 40+ million users

HBO Max Software Engineering Intern   Jan. 2022 - Apr. 2022
Warner Bros. Discovery   *Seattle, WA (Remote)*
- Designed a string storage solution that aimed to eliminate developer effort in maintaining 1000+ strings across all existing HBO Max services
- Shipped an internal library that uses a Drupal CMS to provide strings and translations to internal services, reducing fetch latency by 99% and service request latency by 36%
- Implemented unit and integration tests using Jest to maintain 100% test coverage while integrating the library into existing HBO Max services

Software Engineering Intern   Apr. 2021 – Jan. 2022
United Vehicle Group   *Frisco, TX*
- Spearheaded the UI design overhaul and implementation of the car booking process, which increased site reliability and responsiveness for 200+ clients and vehicles nationwide
- Triaged and corrected critical errors in production, which yielded a 20% decrease in support tickets and sustained a 5-star rating on the car-sharing app, Turo

PROJECTS

SpotifyMusicQuiz ⊙ | *React.js, Next.js, Nest.js, Socket.io, Mantine, MongoDB*   May 2022
- Produced a real time multiplayer quiz game using WebSockets that supported game rooms and personalized playlists
- Deployed the web application using Heroku and GitHub, which sustained a user base of 10+ players

CookAlong ⊙ | *React.js, Ruby on Rails, Bulma*   Nov. 2020
- Conceived a responsive UI as a part of the frontend team that dynamically displayed 1000+ recipes fetched from the Spoonacular API using React
- Awarded **1st prize** out of 12 teams at the final presentation night where each project was judged by a panel of 4 industry professionals

SKILLS

Languages: JavaScript, Typescript, HTML/CSS, Java, C++, Python, PHP, SQL
Frameworks and Libraries: React, Next.js, Nest.js, Express.js, Vue.js, MongoDB, Jest, Socket.io, PyQt, Numpy
Tools: Git, GitHub, Postman, UNIX, Jira