Khoi Tran

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www.linkedin.com/in/khoi-d-tran | https://github.com/khoitran98 | https://khoitran98.github.io/portfolio

EDUCATION

B.S in Computer Engineering	Aug 2016 – May 2020
M.S in Computer Science	Aug 2020 – May 2022
The University of Texas at Dallas, Richardson, Texas	

SKILLS

Languages: JavaScript, C#, Python, Java, C++, C, Assembly, HTML5, CSS3.
Frameworks: Vue.js, React, Redux, GraphQL, Express, Angular, Ionic, Cordova, Vuetify, Bootstrap.
Others: Firebase, Unity, MongoDB, Node.js, Linux, Android, ROS, Algolia, MSP432.

WORK EXPERIENCE

UTD School of Arts, Technology and Emerging Communication
Research Assistant / Unity Developer   Sept 2019 – Now
https://stepp.utdallas.edu/publication

- STEPP: a WebGL Unity game in C# that's used as a teaching tool for high school's Physics courses.
- Develop algorithms to animate game objects based on Physics kinematic equations.
- Assist in building a data handling system that serves as an in-game database which validates, stores and performs Physics calculation on users' inputs.
- Test and debug game features as well as the game's communication with web browser and server.

PERSONAL PROJECTS

Vertas News (3-person project)   June 2019 – Aug 2019
https://vertasnews.com/

- A web app to rate news articles and aggregate ratings for news outlets and journalists.
- Developed the UI/UX with Vue.js and Vuetify.
- Configured Firebase as the backend and database service, using News API to gather news and Algolia for data search.

SwingnRun Unity Game (1-person project)   Aug 2019
https://khoitran98.github.io/SwingnRun-WebDemo/

- Developed an endless runner WebGL game with C# and Unity.
- Built a neural network that can study player gameplay through backpropagation.
- Deployed a game server using MongoDB, Node.js and Express to store the score leaderboard and the neural network.

Bomberman Online (4-person project)   Aug 2020

- A web game remake of Bomberman with online multiplayer capability.
- Implemented characters' movements and actions using Phaser.io and geckos.io to ensure real-time multiplayer communication over Node.js and Express.

Students Attendance App (4-person project)   Nov 2019
https://github.com/AreYouHere-io/AreYouHere-App

- A hackathon cross-platform mobile app for students and professors to use QR code for attendance.
- Developed the UI/UX with Ionic, Angular and Cordova.