JAKE SAGE

(214)908-1655   jsagehome@gmail.com   Dallas, Tx 75206

Summary of Skills

Languages	Java, C#, Python, JavaScript, ColdFusion
Mobile	Native Android, Xamarin, MVVM concepts
Web	Vue, React, HTML5
Databases	MySQL, Mongo dB
Tools	Git, Visual Studio, Node.js

Relevant Experience

Call Box   Dallas, Tx

Junior Software Developer   August 2019—Present

- Built new webpages and tools using JavaScript and ColdFusion
- Implemented updates to our Vue.js application allowing users to text and place calls to clients
- Built out new API endpoints for use across multiple platforms

Sensive   Orlando, FL

Junior Software Developer   Fall 2017—Fall 2018

- Worked with a small agile team to develop cross-platform mobile application using Xamarin
- Tested prototypes to find and fix bugs
- Developed macros to automate spreadsheet output

Projects

Pac-Man Minimax (https://github.com/2To3rdPwr/pacman_minimax)   Summer 2020

- Implementation of a minimax adversarial search algorithm for the game of Pac-Man in Python
- Includes baseline minimax, α/β pruning, and expectimax algorithm variants

Langton's Ant (https://github.com/2To3rdPwr/LangtonAnt)   Summer 2020

- Implementation of the Langton's Ant cellular automaton in JavaScript using React
- Built for fun while first learning React, so could probably be improved

Stop Signal Android Application (https://github.com/2To3rdPwr/StopSignal)   Spring 2017

- Developed an Android application to test the effects of distraction on drivers
- Worked closely with Dr. Jennifer Louie to design, prototype, and finalize a customized application
- Application used in the published research paper *"Working Memory Capacity and Executive Attention as Predictors of Distracted Driving."*

Deep RL StarCraft 2 Agent   Fall 2018-Spring 2019

- Project manager for a five-member research and development team
- Developed a machine learning agent that uses actor-critic strategies for StarCraft 2
- Built in Python using TensorFlow

Education

University of Central Florida   Orlando, FL

Bachelor of Science in Computer Science   May 2019

Honors

Provost Academic Achievement Scholarship

Bright Futures Academic Scholar Award