Presenter: Eryn Bernard

Title: App Development for Helping Hands Using BuildFire

Advisor: Dr. Feng

Abstract: Helping Hands is a company that provides a quick and easy way for families to find assistance in their time of need. In this project, BuildFire Mobile App Building Platform is used to create an App for the Helping Hands Company. BuildFire provides not only simple and intuitive builder with template but also custom functionality through developer SDK. In this project, a mobile application was designed by applying template to provide convenient connections between families that need help with the people that are passionate about helping others.

Presenter: Tom Green

Advisor: Dr. Feng

Title: Game development and AI algorithm exploring

Abstract: In this project, a simple “snake” game was implemented, where the human player could guide the snake to eat the food that appears in a random position in the play area. Python is chosen as the language of choice with a pair of libraries to handle tick rate and graphics. A\* search algorithm is widely used to find the optimal solution for many problems in AI. This project also use the A\* search algorithm to implement the automated optimal actions for the snake to eat the food.