

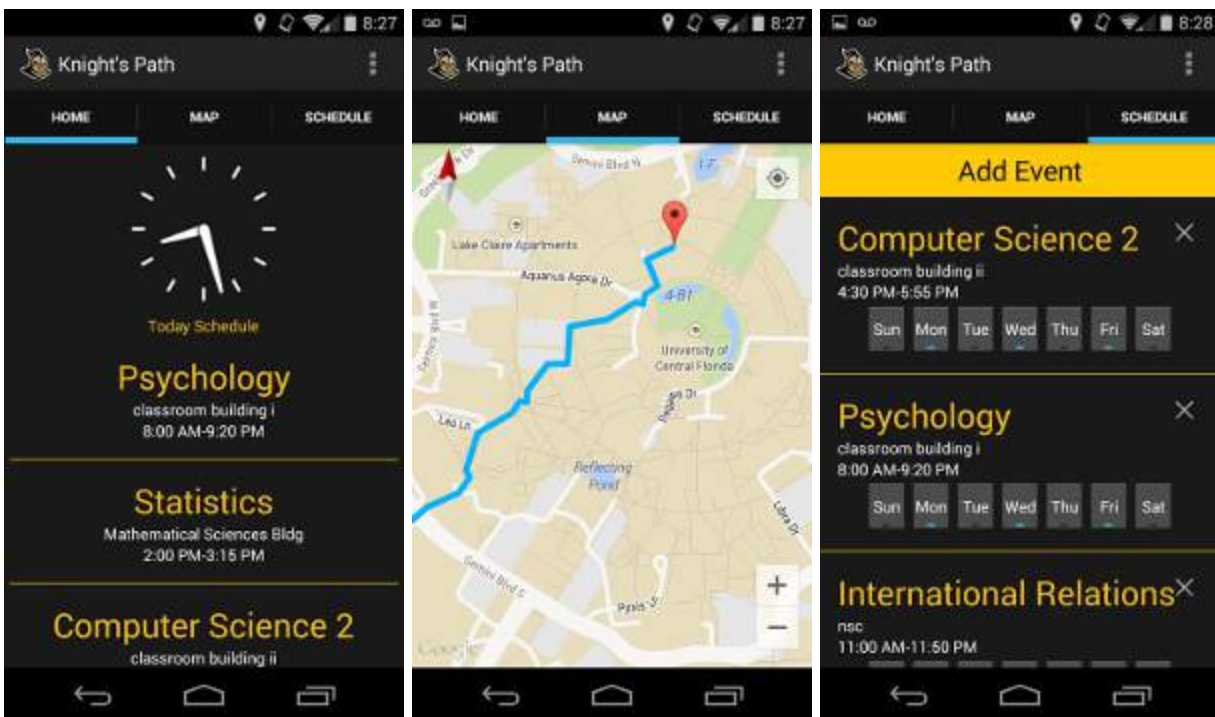


Sevena Skeels :: *Selected Works*

Knight's Path

Java, Google Maps API Integration, SQLite

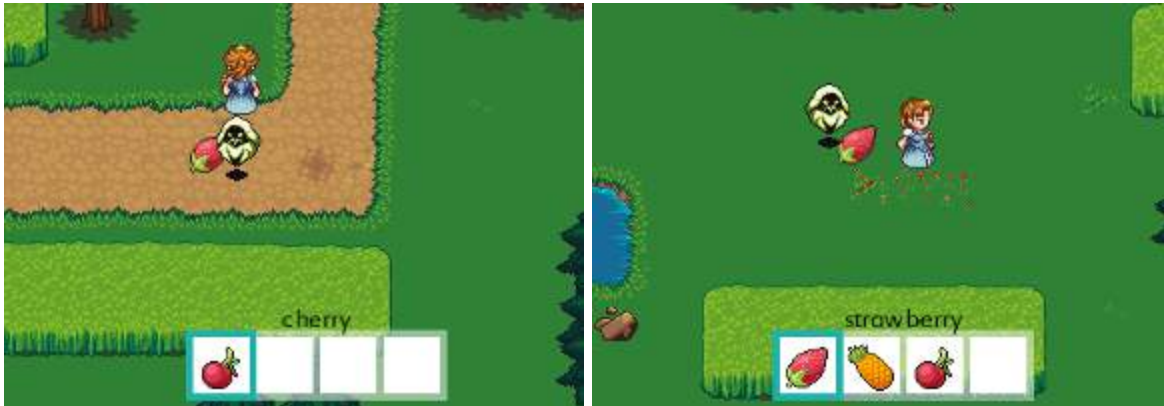
An Android application that allows UCF students to store their weekly class schedule and provides navigation to specific UCF classrooms and local destinations. The application was a group project for a software development class. The Google Maps API was used to search for nearby locations using inputted keywords and to provide navigation from the user's location to the specified destination.



AI for Game Programming Final Project

C#, Monogame Framework

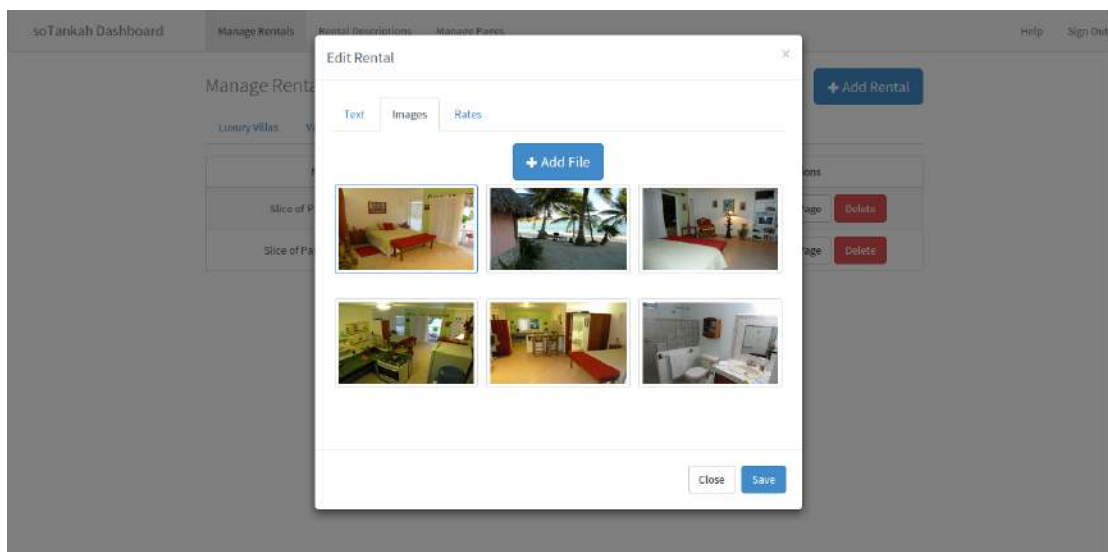
The final project for an elective class, AI for Game Programming, in which I used concepts learned throughout the semester to create a simple game with autonomous agents. Using A*, collision detection, and finite state mechanics, the ghosts in the game operate as enemies that wander around the map, seek out the player and items (when in range), and “investigate” discovered items. When the game is instantiated, a navigational graph of nodes is generated using the map, which is used to calculate the shortest path between game objects. An important mechanic of the game is the ability of the player to “distract” the enemy ghosts by dropping items. A ghost will greedily seek the closest agent of interest at any given moment, so a player can strategically drop an item when a ghost is in pursuit in order to get away. The pixel art was provided by the [Liberated Pixel Cup](#).



Admin Dashboard

PHP, CodeIgniter MVC Framework, Javascript (jQuery), MySQL

A web application that was built for a client initially as an expense tracker for property management and later as a rental property advertisement site. The client could log in as an administrator and add users, expense reports, and contracts. Users could also log in to view their monthly expense reports, contract, and profile. Before all functionality could be finished, the client requested a shift in design. Instead of expense reports, the client was interested in displaying rental property information. I added functionality for managing rental information and images.



Admin Dashboard

Manage Users

Manage Filters

Manage Rentals

sally salamander

Sign Out

Select Date

April

2015

Filter

Filter by category

Filter by tag

Current Monthly Totals

USD \$2090.00

MXN \$31710.52

Download

Current Month

Download

Expense Report for April 2015

+ Add Expense

date	category	tags	description	amount(MXN)	amount(USD)	receipt	actions
04/01/2015	Property Management	Tag1	Expense 1	\$5158.65	\$340.00	<div>View</div>	<div>Edit</div> <div>Delete</div>
04/11/2015	Property Management	Tag2	Another Expense	\$7586.25	\$500.00	<div>Upload</div>	<div>Edit</div> <div>Delete</div>
04/11/2015	Property Management	Tag1	Electric Bill	\$3489.67	\$230.00	<div>Upload</div>	<div>Edit</div> <div>Delete</div>
04/21/2015	Rentals	Tag2	Rent	\$15475.95	\$1020.00	<div>Upload</div>	<div>Edit</div> <div>Delete</div>