

LIEM TRUONG
SOFTWARE PROJECTS PORTFOLIO

Personal Project: Sultans of Wings (game)

- Built a shoot em up aircraft game using C++ and Simple and Fast Multimedia Library(SFML)
- The game has more than 35 enemy airplanes and the player is in control of F22 and F35

The main menu



The controls menu where the user can set the keys of functionalities



Dog fight with missiles and shooting at enemies



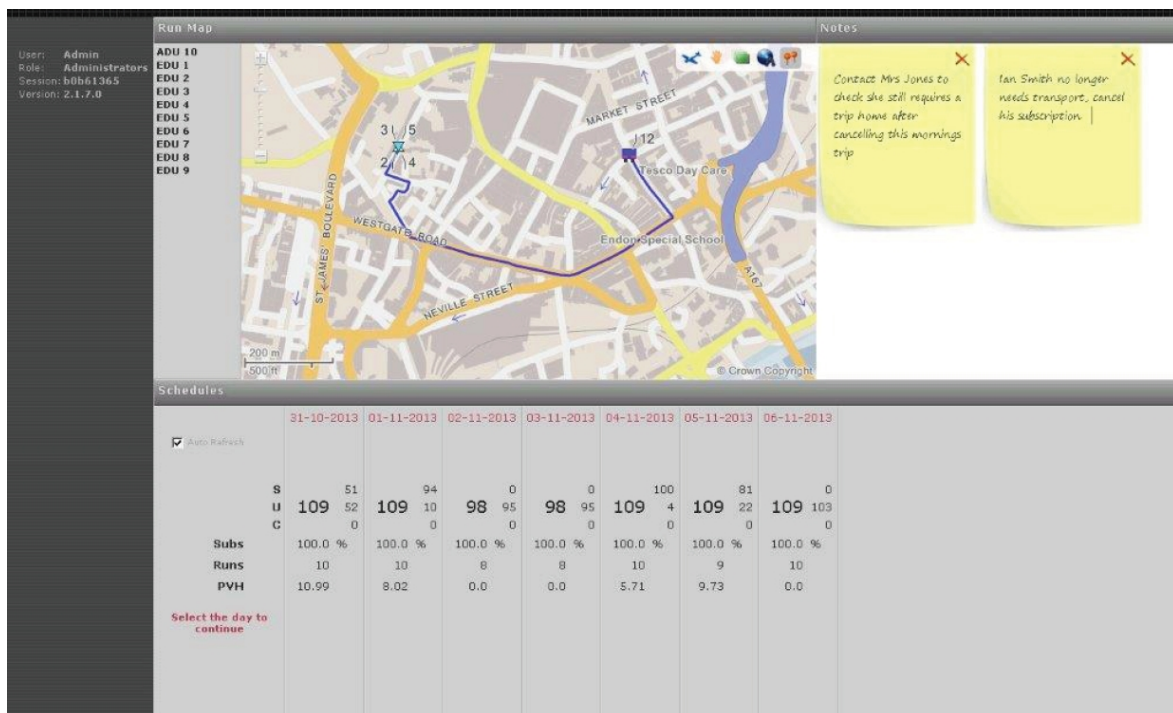
Another game. Zombie Area where the user can shoot the zombies.



Programmer Analyst/Developer Trapeze Group

- Implemented SQL queries for school bus application
- Architect and built graphic user interface and services to load data into application using C++, SQL, HTML and JavaScript
- Design and implemented data migration feature to transfer data from other databases into bus application
- Implemented algorithm to schedule students on a bus and student scheduling user interface using Javascript
- Extended web application framework using C++, STL, SQL, Javascript and HTML and provided various solutions to defect fixes in GUI, business logic and communication layer of school bus application
- The project is an school bus application, it contains students, maps, routes and schedules. It is a web application using HTML, javascript and Visual C++ on Windows. I work on implementation of rework on broken features, most of the features are broken. I also fix defects and write sql (SQL Server) queries.

Routes Map



Schedule Booking

Schedule Editor

Admin10/20/20135:07:37 PM

Current Schedule: 04-11-2013

EDU 10

Runs Map

Unscheduled

Willcall

Runs - 10

Run Name	Passenger C	Vehicle Id	Violations	Status	First Name	Run Id
EDU 10	17	10	0			13161
EDU 8	14	8	0			13162
EDU 9	12	9	0			13163
EDU 7	14	7	0			13164
EDU 6	14	6	0			13165
EDU 5	14	5	0			13166
EDU 4	0	4	0			13167
EDU 3	0	3	0			13168
EDU 2	0	2	0			13169
EDU 1	15	1	CAP	0		13170

Client Name	Origin	From/Polypsn	Requested Ti	Destination	Ta/Pol	Requested Ti pr
Chloe Denn 34 OTTERSI				Chase Spec		08:55
MR. JOHN A BATH LANE				Chase Spec		08:50

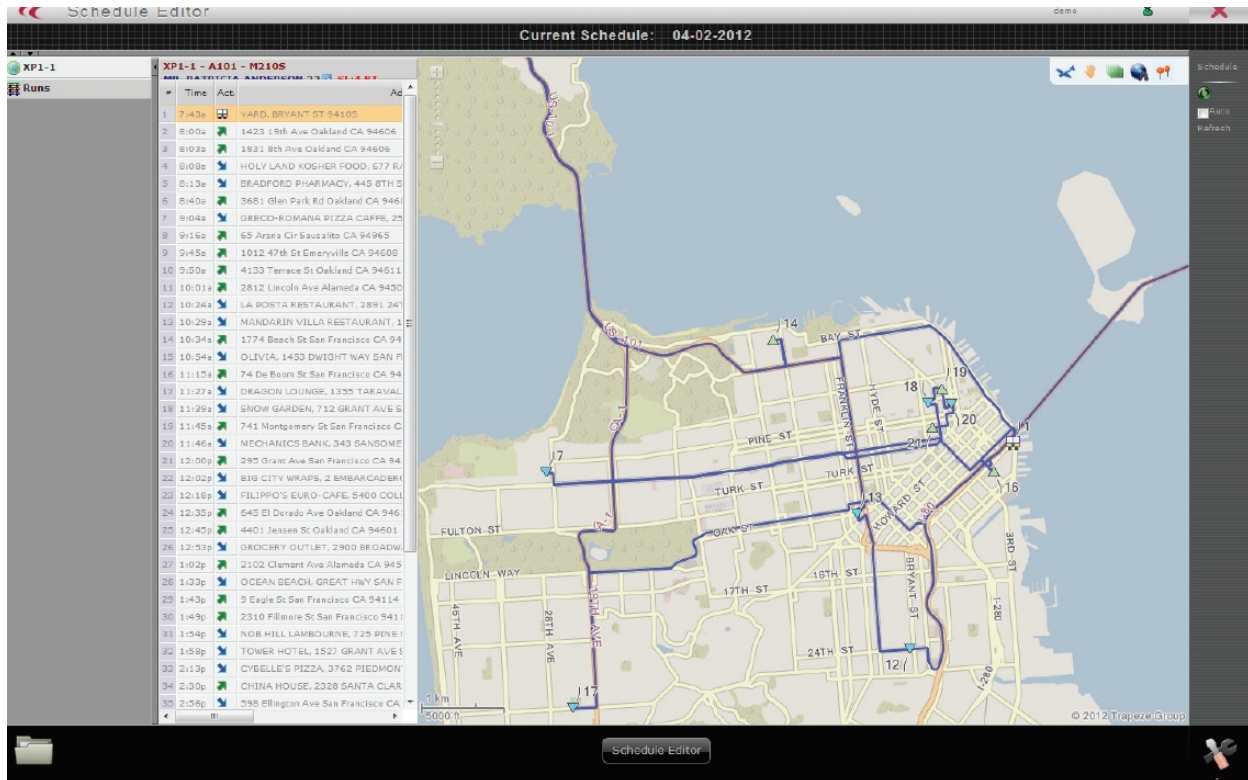
Map

Map showing route and locations including Throckley, North Walbottle, Westerhope, Cowgate, West Jesmond, Jesmond, Heaton, Byker, Benwell, Spital Tongues, Lemington, East Denton, Conham, Blaydon-On-Tyne, Winton, Winton Mill, Rowlands Gill, Sunnyside, Team Valley Trading Estate, Marley Hill, Gateshead, Felling, Windy Nook, Low Fell, Wrekenton, Eighton Banks, Bensham, Dunston, Whickham, and Sunnyside.

2 records, 1 page

Pages: 1

Schedule Editor



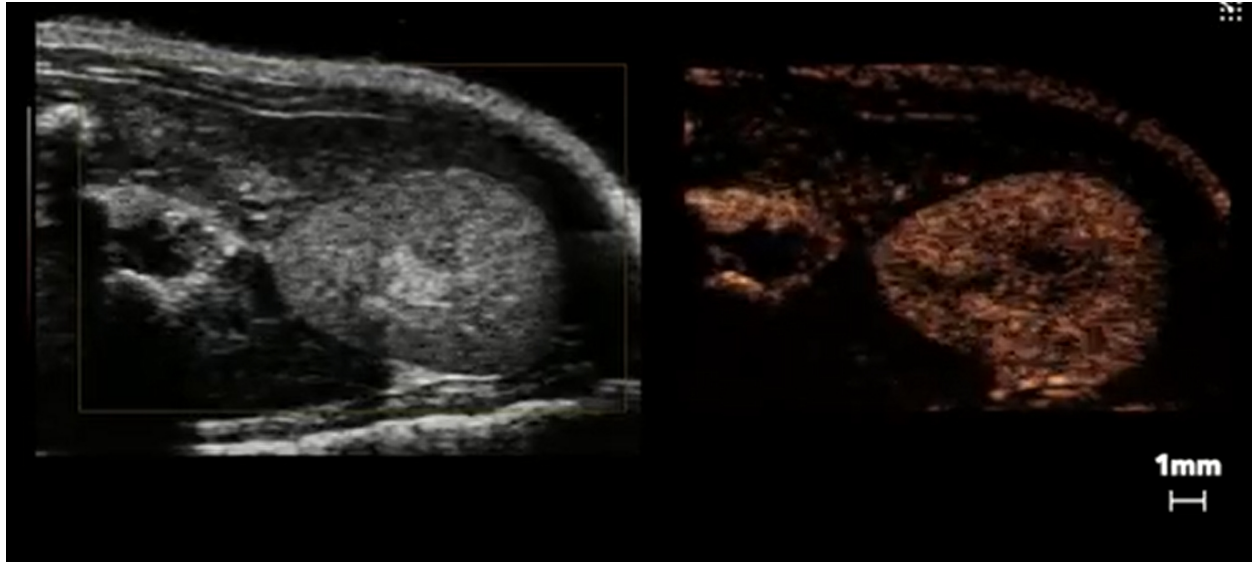
Software Engineer Honeywell (Aerospace) Contract

- The application is a C++ data generator and perl scripts, also a data generator. They are windows applications generating data for airplane devices. It is a Airbus 340 project. I also work on SQL queries and Perl Scripts.

Software Developer VisualSonics Inc.

- It is a ultrasound application where the device scanned the target and display an real-time ultrasound image. It is a windows application using C++ and ATL. I worked on the graphic user interface, ultrasound device, and building a test automation framework using a dom parser for xml configuration

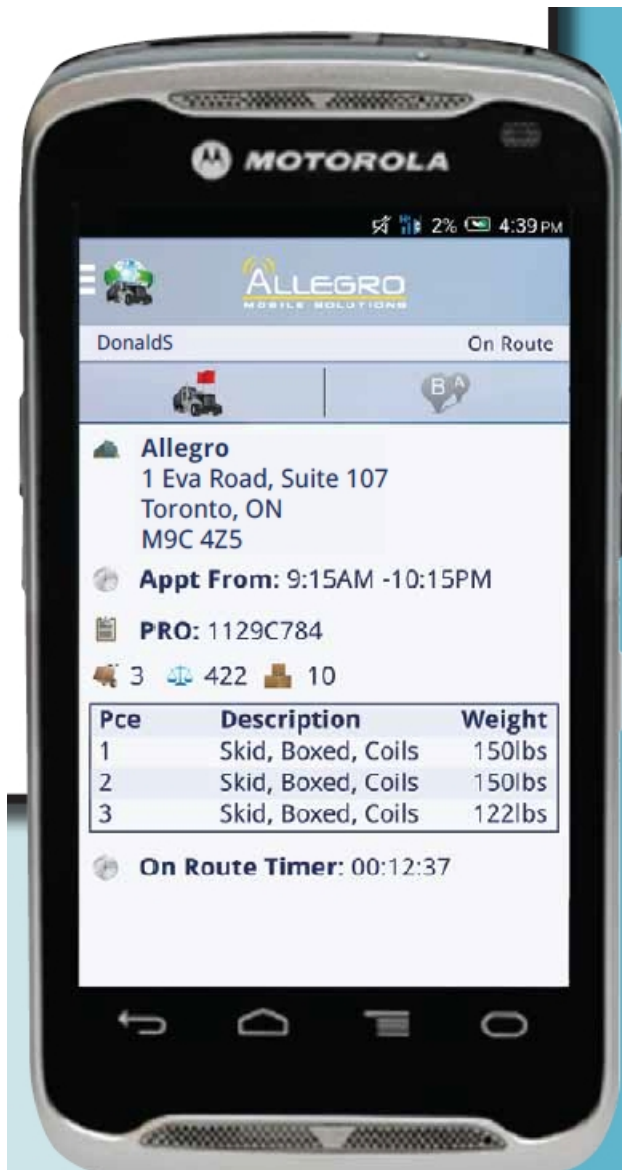
Ultrasound Imaging



Software Developer Allegro Mobile Solutions

- It is an application for mobile devices used in nursing and parcel deliveries. It keeps track of data on the mobile device and communicate with the server for data updates. It is a C# application on Windows. I worked on transferring the application to a new code platform developed in-house by another team.

Parcel Delivery



Software Analyst Alcatel ATS Canada

- It is a real-time windows application with client (MFC) and server to control automated driverless trains. It's an MFC C++ application with clients and servers. It uses graphics to draw and SQL Server to store information collected such as headway. I worked on implementing new features such as user authority and fixing defects.

Train Management Control System showing trains, tracks and platforms

