



Client

Ryan Countryman, Core Software Developer

Company Background

Aventura was born in a Denver hospital IT department that completed a desktop virtualization project.

With an understanding of how technology needs to work for the people who deliver clinical care, Aventura built a universal architecture that reaches into all computing layers, creating an architecture that integrates OS, virtual desktops, applications, policy, and printers. Our software is deployed to hospitals nationwide and provides clinicians with a desktop that is aware of where they are, who they are, and what they need to be efficient and deliver quality care (and does it Jimmy John's fast).

Project Overview:

Aventura software delivers sessions on Windows clients using a component of our system called the Soft Client. This application is written in Win32 C++ which can run on any Windows platform. However, we are currently working to port the functionality of this component to a cross-platform C++ framework called Qt. This project would be to build out existing features of the current Soft Client component in the new Qt framework.

Project Goals

Students will be required to develop a cross platform application that helps serve virtual computer sessions.

- Complete any necessary research as to how to complete the objective
- Create a component that can acquire touch screen input on Windows tablet.
- Component can send messages to other AV components
- Enable system to perform actions based on these messages

Skills Required

- Software Development
- Basic C/C++ skills
- Ability to learn and adapt

Student Benefits

This project will give the students experience and knowledge with:

- Building a cross platform application
- Using Qt framework
- Interfacing with third party software APIs
- Real world project that can be completed in 6 weeks

Location

Students will be expected to spend most of their time at the Aventura office which is in downtown Denver.

Contact

Please contact Ryan Countryman (Ryan.Countryman@aventurahq.com; 720-289-5001) with any questions you have regarding this project.