



## 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, including Windows 8 tablet. This project would enable our Soft Client component to receive touch screen input on a Windows Surface tablet.

## Project Goals

Students will be required to develop a mechanism that acquires touch screen input on a Windows Surface device.

- 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, specifically .NET (C#)
- Basic C/C++ skills
- Knowledge of Agile Software Development
- Ability to learn and adapt

## **Student Benefits**

This project will give the students experience and knowledge with:

- Architecting and building a software component
- Learning how to integrate complex software
- Practical .NET experience
- Learning how to make touch screen actions useful
- 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.