

**Name:**

**Major:** Computer Science & Engineering

**Instructor:**

**Course:** ECS 192, 4 Units

**Quarter of Enrollment:** Fall 2012

**Company:** Cisco Systems

## Automated Services & Android Development

### Accomplishments

While interning, I worked within Cisco's IT Global Infrastructure Service, Automated Services group, where I successfully used a Cisco product known as Cisco Process Orchestrator (CPO) to automate business processes and tasks, known as Run Books, that are currently completed manually by using Tidal Enterprise Scheduler (TES). Specifically, I created workflows to automate the installation and troubleshooting of TES agents on arbitrary servers. Completing the project was not easy, but I worked very closely with my mentor, who ensured that I had the necessary resources to complete it.

I also worked on developing an android application for Cisco, which involved coding in Java and utilizing various android libraries. Working on the application was exciting partly because it allowed to me interact with Cisco employees across the country and world; I even had the opportunity to interact with employees in Bangalore, India. These interactions were a great experience for me, I know they will be very beneficial when I leave college and enter the workforce, as I will most likely be working with people from various cultures and regions of the world.

Another accomplishment is that I have been allowed to continue my internship through the rest of the school year, and I have been offered a full time position with Cisco Systems to begin upon graduation. In the meantime, I will be developing a Microsoft PowerPoint Plugin for the Cisco TV group. Afterwards, I will continue working on other projects with the group.

### Skills Acquired

My internship with Cisco Systems has enabled me to become far more efficient with programming for the Android OS. Further, it has taught me a number of things about android programming that I hope to utilize in my future attempts to create apps for Android devices. In addition, I have become familiar with batch scheduling and Run Book Automation. Throughout the course of my internship, I have used two cisco products known as Tidal Enterprise Scheduler (TES) and Cisco Process Orchestrator (CPO). Indeed, I have become more familiar with the development of business applications and processes like I had wished to do, initially.

### Objectives Completed

The objective of this internship was to familiarize myself with the development of applications and business processes and gain experience working in the corporate world. I believe I did so successfully. In

fact, I believe that my coworkers and managers would agree. I have actually been given the opportunity to continue interning part time during the school year with Cisco Systems. In addition, I have been extended a full time position with the company for after I graduate in the spring.