**COLLOQUIUM**

Department of Computer Science and Engineering

University of South Carolina

### **Controlling Drones across the World with Javascript**

### **Chase Gray**

### DroneDeploy

Date: **November 14**

Time: **1530-1630 (3:30-4:30pm)**

Place: **Swearingen 1C01 (Amoco Hall)**

# Abstract

Silicon Valley now has more opportunities than it ever has in the past. When I was studying at South Carolina, it all seemed so far away and unreachable. I had no idea how to try to get a job at Google or a small startup. Now that I'm there I can't walk down the street or into a bar without someone trying to convince me to leave my current job to join their company. During my talk we will go over what the job market and hiring process is like at many companies in Silicon Valley. I will discuss some examples of what it is like working at Google and my current startup, DroneDeploy. At DroneDeploy we use a cellular connected drone to send back images and data while in flight to ground control stations written in JavaScript on any browser and any location in real-time. I will go over what DroneDeploy does and a bit of how we accomplish it. We will go over some details about projects we are working on at DroneDeploy and the types of people we are looking for to join our team.

**Chase Gray** graduated from USC with a Master's in computer science in 2008. During his last year in school, he started Ratchet Software and launched its primary product, MyHealthcareSource.com to provide parsing and processing of healthcare financial data in an easy to use format. Ratchet Software was doing well, so he relocated to South America and continued to focus building the business over the next few years. In 2012 he accepted an offer at Wildfire Interactive, which was acquired by Google a few weeks later. At Google he focused on integrating Wildfire's analytics suite with Google systems and moving some of their products to Google's new JS Framework, AngularJS. In 2014, Chase left Google to join a team of ex-googlers and Ph.Ds to make it possible for anyone to collect useful data using drones from a simple interface on any device. At DroneDeploy (<https://www.dronedeploy.com/>), Chase mostly focuses on the AngularJS frontend, which is used to communicate with and control the drones as well as analyze the maps being created while the drone is still in the air.