**Lab 1b: Rooting Nexus 6P**

**Objective:** Setup and Root your Android Nexus 6P device.

**References:** <https://twrp.me/huawei/huaweinexus6p.html>  
<http://www.supersu.com/>  
<https://developer.android.com/studio/#downloads>  
<https://devsjournal.com/unlock-bootloader-nexus-6p.html>  
<https://www.xda-developers.com/how-to-root-the-nexus-6p-and-install-twrp-recovery-xda-tv/>

**Due Date:**

**TASKS**

1. **Generic Steps to Root your phone:**
   1. Make sure you don’t update anything on your phone, before you root it
   2. Install adb and fastboot on your desktop and verify they work
   3. Turn on developer options and test adb / fastboot connectivity
   4. Unlock bootloader
   5. Install third party firmware (TWRP)
   6. Move SuperSU over to root the device and install from TWRP
2. **Using your phone afterwards** 
   1. Setup your phone with a new profile (ie email account, wifi, etc.)
   2. Install a few apps on it (such as Discord)
   3. Setup a profile on discord and send / receive some texts to a partner

**Write-up**

1. Demonstrate that you completed the above tasks.
2. What are the security benefits and risks of rooting your device?
3. Do people still root their devices? If so, what are the reasons why they do this? What are other examples throughout digital history that show humans modifying / changing their devices to fit their needs? Why do humans do this?
4. What are the implications for application security? Can you really trust an application that is running on a rooted device?
5. What kind of things were you able to do after you rooted your device? Could you access any folders / files that you couldn’t before? If so, then which ones? If not, then you didn’t really root the device, start at the beginning of this document.
6. Are there are implications for Digital Rights Management? Any legal constraints with rooting an android phone? Did you just break the law in the USA? Is this true in other countries?
7. What would you do if you wanted to unroot your device? (you don’t have to try to do it, just discuss the steps you would take).