Employment Fact Sheet

Date Posted on CSIT Job Board: March 6, 2019

Date to Remove from Job Board: March 16, 2019

EMPLOYER INFORMATION

Contact Name: William H. Goff   **Title:** Account Executive

Company Name: Pixo

Street Address: 110 W Main St.

City: Urbana   **State:** IL   **Zip:** 61801

Phone: (217) 615-2992   **Fax:**   **Email:** will@pixotech.com

Company website: pixotech.com

Company Description: Pixo's a connected engineering firm; we build connections—between hardware and software, between devices and people, between our client's products and their users. With authenticity, responsiveness, and expertise, our team of engineers, researchers, designers, and user experience professionals focus on accelerating the pace of innovation for our clients—so they stay connected, competitive, and reach their full potential.

POSITION INFORMATION   ☒ **Internship**   ☒ **Temporary**   ☐ **Permanent**

Job Title: Student Developer   ☒ **Part-Time**   ☐ **Full-Time**

Job Description: Pixo is looking for a Student Android Developer that has worked with or is interested in learning about precision GIS (Geographic Information Systems) on an agricultural mobile application. An ideal candidate is aware of the complexity that drawing points on a flat screen has compared to its real world location on a 3D ellipsoid object.

Job Location: Pixo (110 W Main St., Urbana, IL 61801)

Job Requirements: Experience using Android Studio on a previous project • Works well if given a task but will ask questions instead of assuming • Worked with applications that might not always have a cellular connection

Degree Requirements: Enrolled in a 2-year or 4-year college program

Minimum GPA: 2.5 (out of 4.0)

Special Skills/Certifications: None required

Pay Rate: $20-$25

To Apply: To apply for this position, we want you to send us a zip of a mobile app built in Android Studio to resumes@pixotech.com.

Create a new Project using bundle id of com.pixotech.pixoGIS to then use our Google Map API key: AIzaSyBFkwdGTNvmAjtIUI-MJx5QMGuGoywgcNg

Remove the sample Sidney point

Create a new point located at 40.08327,-88.2189 of a field next to U of I Sustainable Student Farm.

Draw a 9px red polyline of a box the size of a zoom level 16 tile with the above location as its top right point.

Good references about map tiles:

https://docs.microsoft.com/en-us/bingmaps/articles/bing-maps-tile-system

https://wiki.openstreetmap.org/wiki/Zoom_levels

We like using WGS-84 Standard - of that these are probably the only numbers you will need from it:

1. Earth Radius at Equator = 6378137 (meters)

2. 256x256 pixels in every tile at every zoom level

3. Latitude changes its meter/pixel but longitude does not

Application Deadline: March 15, 2019 at 11:59pm