

GIS Analyst Intern - Role Description

Job Title: GIS Analyst Intern

Location: Cupertino, CA

As a GIS Analyst Intern, you will be working to improve Apple Maps. The tasks you complete will help to contribute to high level design making as well as data operational, day-to-day problem solving. You will help combine, analyze, and crunch information out of varying datasets internal to Apple.

Our goal would be to utilize and grow your existing skills, as well as get you exposure to new tools and infrastructures. We are looking for a self-starter GIS enthusiast who also has an interest in data engineering and scripting. You'll be working with a technical, fast-moving team, who love to work collaboratively while solving complex geospatial problems.

If this sounds like you and you'd like to intern with an awesome team, we'd love to hear from you.

Responsibilities:

- Deep-dive on various data issues and provide answers to stakeholders
- Setup re-usable scripts and queries for common inquiries
- Build data dashboards for data inventory, conditions, and issues
- ETL on datasets with different data structures
- GIS visualization and analysis

Technical Qualifications:

- Two years or more of relevant experience or classes around GeoSpatial Data
- Experience with OpenSource tools such as QGIS
- Knowledge within SQL, general database systems
- Working experience with Tableau or other data visualization tools

Preferred Qualifications

- Experience with PostgreSQL w/ PostGIS, FME
- Spark, Scala, Python, Hive/Hadoop
- Knowledge and experience with industry standard routing, geocoding, and display maps data

- Demonstrated self-direction. Willingness to both teach others and learn new techniques.
- Effective written and verbal communication skills.

If students want to learn more about the work we are doing, I recommend reading these articles.

<https://techcrunch.com/2018/06/29/apple-is-rebuilding-maps-from-the-ground-up/> (2018)

<https://www.justinobeirne.com/new-apple-maps> (2018)

<https://www.macrumors.com/guide/maps/> (2019)

<https://www.justinobeirne.com/new-apple-maps-expansion-7> (2020)

If you are interested, send a resume to Neal Horner nhorner@apple.com