Charmaine S. Bonifacio

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Experience

GIS and Maps Quality Analyst, January 2018 to present

Facebook Menlo Park,CA

Lead a team to ensure quality assurance of OpenStreetMap data.

- Drive overall QA planning/tracking, testing and reporting for monthly Facebook Map deployments.
- Define necessary metrics, goals and forecasts needed to measure success/project completion.
- Develop test cases and workflow utilized by GIS technicians to validate map data and cartography styling.
- Write Presto queries to mine data from Hive databases to perform style and data quality testing.
- Led 20 GIS technicians to evaluate over 21,000 tiles for vandalism and data errors in 2 months.
- Research, analyze and prepare administrative borders for the whole world.
- Collaborate with external partners to further improve OpenStreetMap's data quality.

Maps Data Test Engineer, April 2017 to January 2018

Apple Inc. Sunnyvale, CA

Analyzed and improved quality of spatial map data.

- Coordinated, created and maintained test cases to ensure quality control standards are achieved.
- Prepared and executed workflows and geoprocesses using ModelBuilder that saves run-time analysis
- Integrated and analyzed disparate data sources into GIS database.
- Exported GIS to a standardized format using GIS software, Excel and database to be utilized by the rest of the development team.
- Conducted informal GIS training and provide technical assistance to teammates.

GIS Technician, March 2016 to April 2017

Apple Inc. via Apex Sunnyvale,CA

Assessed, validated and enhanced world location data content for consumer applications and metrics.

- Performed spatial analyses and produce reports according to customer specification.
- Exported GIS data using Hive, GIS software, PostgreSQL to produce maps and reports.
- Troubleshooted GIS software issues and communicated any blockage to the engineering team as necessary.
- Supported simultaneous tasks and projects that lead to achievement of highest performing team
- Led and coordinated 6 people to produce highly visible project.

Skills

- Project Management
- Team Management
- QA/QC
- Leadership
- Planning

- Problem Solving
- Organization
- Microsoft Office

- SQL
- Presto
- PostGIS
- GPS
- Python

- Quantum GIS(QGIS)
- ArcGIS
- JOSM
- iD editor
- OpenJump
- ENVI

Education

University of California Davis

Bachelor of Science in Environmental Science and Management 2015

Focus areas: GIS, Remote Sensing, Environmental Monitoring and Analysis