

# Floyd Bull

Team oriented with seven years of GIS experience in ArcGIS Pro 3.X+ and Arc10.X+. Possess comprehensive knowledge of enterprise geodatabase environments with strong communication skills. Skilled at collaborating with peers on cross department projects, application developments, and best standards. Experienced in managing and maintaining addresses, parcels, parks, water, storm, and sewer assets in an SDE environment. Proficient in automating tasks using Python and Java.

## Work Experience

• **Senior GIS Analyst, Hexvarium (acquired by Quanta Services in 2024), Remote (April 2023 – Present)** – Establishing operation standards, ensuring consistent deliverables, interfacing with clients, QA datasets, and mentoring junior staff. Perform and present fiber feasibility analysis to internet service providers. Establishing operation standards and documents improving the efficacy by 60%. Communicate the needs of the operation team internally in various data developments and project support initiatives. Supported the Senior Program Manager, ensuring continuity and smooth operation of departmental functions. Provide ongoing mentorship to junior staff in workflow optimization, troubleshooting, project management, and communication.

• **Enterprise Spatial Land Coordinator, City of Kent, Kent, WA (January 2021 – April 2023)** – Establishing GIS database design, end-user support, application development, user interface development, and integrations with third party applications. Maintaining and updating the addresses and parcels datasets. Integrated addresses and parcels third party systems using rest endpoints. Integrating enterprise GIS data with ESRI and third party applications using rest endpoints. Assumed the responsibilities of the Enterprise GIS supervisor during her absence from the office. Assist GIS Analysts and customers on technical and theoretical projects and problems.

• **GIS Analyst III, City of Kent, Kent, WA (September 2019 – January 2021)** – Created collection applications, web applications and dashboards with multiple departments. Set enterprise GIS standards for editing, creating web applications, and integrations. Assist the GIS team and end users with requests, analysis, editing, data maintenance, automating tasks, quality control, documentation, and education. Took over a project to collect residential security camera information. The collection application, Survey123, uses a secure referenced hosted feature service that allows the Kent Police Department to view the data in a Dashboard.

• **GIS Analyst, City of Kirkland, Kirkland, WA (June 2018 – September 2019)** – Assist the GIS team with requests, analysis, editing, data maintenance, automating tasks, lidar, quality control, documentation, and education. Supporting the implementation of the GIS to the Cloud environment and ArcGIS Online & Portal while completing my daily tasks. Co Managed an ArcGIS Online pilot to collect damage assessments after a hazard event. A Survey123 app and ArcGIS Online dashboard were developed in accordance with the EOC, Police, and Fire Departments needs. The dashboard utilizes three web maps created in ArcGIS Online. Provide training on GIS applications to internal employees ranging in GIS experience. Currently managing the GIS Service Request Portal.

• **GIS Limited Term Employee, City of Kent, Kent, WA (June 2017 – June 2018)** – Assist the GIS team with requests, analysis, As-Builts, and map requests for Public Works. Assisted the GIS Coordinator in creating a new SDE database schema. Created an updated workflow in Python to extract parcels data from King County, making it 70% more efficient. Supported GIS users with data maintenance, analysis, and workflows. Maintain and update the GIS by entering As-Builts. Interpret CAD drawings and importing water, sewer, and storm water layers into the GIS.

• **Research Assistant, Dr. Sterling Quinn, Central Washington University (2017)** – Web scraped OpenStreetMap's website to create a database containing data on user blocks. Delivered a comprehensive summary of reasons why users were blocked from OpenStreetMap. The database will assist his work on multiple publications focusing on OpenStreetMap. Supplied documentation on the data mining script and the database design upon leaving the position. The project was published in chapter 13, Understanding threats to Crowdsourced Geographic Data Quality Through a study of OpenstreetMap Contributor Bans, in *Geospatial Information System Use in Public Organizations*

## Presentations and Conferences

- **“Examining the Impact of Tacoma Smelter Plume Cleanup on Social, Economic, and Environmental Health”** - WAURISA conference in 2018
- **“Correcting King County's Water District Data”** - Association of American Geographers Annual Conference in 2018

## Contact

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## Education

### Masters of Science in Geospatial Technologies

University of Washington  
Tacoma, Tacoma, WA

### Bachelors of Science in Geography, Specialization in GIScience

Central Washington  
University, Ellensburg, WA

## Technical Skills

**GIS:** ArcPro 2.X+, ArcMap 10.X+, ArcSDE Environment, GIS Database Management, ArcGIS Online, ArcGIS Enterprise Portal, Digital Mapping, Digitizing, As-Builts, Cartography, QGIS, OpenStreetMap, Amanda Permitting, Connect Explorer, SeeClickFix and Lucity

**GIS Apps:** ESRI Story Maps, Collector for ArcGIS, Suvery123, ArcGIS Online Dashboard, Web Mapping, and Foursquare

**Programming:** Python, Arcade, SQL, HTML, JavaScript, and CSS

**Statistics:** Statistix7 and GeoDa