MICHAEL D. ROBBINS

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OBJECTIVE

GIS Developer with 6+ years of experience with GIS technology and object-oriented programming seeking full-time software engineering roles in the federal sector.

EXPERIENCE

Tesla Government, Inc.   Falls Church, VA
GIS Programmer (Remote)   *Dec. 2022 – Present*

- Build and distribute python modules interacting with in-house software and third-party APIs.
- Automate open-source data extraction processes for researchers via python and crontab.
- Administer master branch of multiple GitHub repositories by conducting peer reviews for tasks completed by junior developers. Synchronize JIRA tickets with GitHub.
- Create custom interactive maps for users via JavaScript, ESRI, HTML/CSS, and React.
- Build and oversee automated processes that pull open-source datasets, transform schemas to meet requirements, and load into ESRI feature layers for visualization on interactive dashboards.
- Collaborate with DevOps to diagnose health issues with ArcGIS Enterprise deployment and upgrades.

City of Yonkers, Department of Information Technology   Yonkers, NY
GIS Analyst & Project Manager (Contract)   *May – Nov. 2022*

- Compiled business requirements from union contracts for timesheet software implementation.
- Coordinated resources from suppliers and contractors for computer aided dispatching hardware/software installation.
- Sourced, cleaned, and loaded spatial datasets onto on-premise GIS servers. Built out routing capabilities via ESRI network analyst. Developed dispatching mobile unit map visualization.
- Collaborated with Yonkers Police Department to fulfill GIS data enhancement requests.

Great Neck Water Pollution Control District   Great Neck, NY
GIS Specialist   *Jul. 2020 – May 2022*

- Collected and maintained GIS datasets including manhole point locations, sewer polylines, drainage basin polygons, and related feature sets housing asset information.
- Managed AWS EC2 reserved instance housing ArcGIS Enterprise and asset management deployments.
- Migrated office's permit application process from paper to an online portal with PayPal integration.
- Implemented single sign on for multiple applications on mobile devices for field use.
- Managed the Cityworks asset management system to track preventative maintenance programs and permitting for sewer connections, disconnections, and grease trap installations.
- Automated stylized email notifications sent out to business owners about past due compliance via python, permitting database, and task scheduler.
- Configured data dashboards for decision makers by leveraging ESRI and business intelligence applications.

SKILLS

- Web Scraping	- ArcGIS JavaScript	- Google APIs	- SQL
- Headless Browsing	- React	- Front-end Dev	- Splunk

EDUCATION

- **Professional Science Master in Spatial Data Science**, Temple University   2018-2020
- **B.S. in Environmental Science** (minor in Math), Northeastern University   2009-2013