

# John Solly

A seasoned GeoDev with expertise in proprietary and open-source platforms with a proven track record in technical communication.

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📍 Redlands, CA

🔗 [blogthedata.com](https://blogthedata.com)

## WORK EXPERIENCE

### University of Maryland, College Park

Senior Geospatial Developer

2022 to Present

- Architect data pipelines for loading, analyzing, and retrieving 300TB+ cloud-optimized geospatial data.
- Author dozens of tutorial Python Jupyter notebooks to educate developer audiences on the functionality of our tools.
- Build dynamic cache and retrieval methods for optimized hot/cold layers to save on infrastructure costs and energy use.

### Yellowfin Business Intelligence (Aquired by Idera Inc)

Integration Consultant

2021 to 2022

- Design innovative data solutions using Yellowfin's REST, SOAP, and JavaScript APIs for Yellowfin's largest clients.
- Troubleshoot and resolve complex L3 production issues within cloud, on-prem, and hybrid deployments (Proxies, Docker, K8, Load Balancers).
- Author consultant health check playbook covering best practices for Yellowfin's on-prem deployments

### Environmental Systems Research Institute (Esri)

Product Engineer

2017 to 2021

- Create dockerized automated regression testing harness with hundreds of tests for a JavaScript-based web application using Python, Selenium, and Jenkins.

## EDUCATION

### Open Source Society University

Bachelor of Science in Computer Science

2023 to 2027

### George Mason University

Master of Science in Geospatial Intelligence - 3.93 GPA

2015 to 2017

### UC Santa Barbara

Bachelor of Arts in GIS and Remote Sensing - 3.85 GPA

2013 to 2015

## OPEN SOURCE PROJECTS

### Blogthedata.com

2021 to Present

- A fully-featured blogging platform written in Django.

### Geoasteroids.com

2023 to Present

- A unique twist on the classic Atari Asteroids game written in pure Typescript.

## SKILLS

Python | TypeScript | SQL | Django | GDAL | PostGIS | GeoPandas | ArcGIS | Mapbox | APIs | ETL