**JOHN SOLLY**

Shape

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Description automatically generated with low confidence jsolly@pm.me 279.321.2870 Redlands, CA. Blogthedata.com

**PROFESSIONAL EXPERIENCE**

**SENIOR GEOSPATIAL DEVELOPER** *Sept 2022 to Present*

University of Maryland *College Park, MD*

* Architect data pipelines for loading, analyzing, and retrieving 300TB+ of cloud-optimized, geospatial data into decentralized storage systems and databases.
* Develop open source APIs and libraries expose geospatial data to a variety of clients, including front-end web applications and desktop GIS applications (QGIS and ArcPro).
* Author dozens of tutorial Python Jupyter notebooks to educate developer audiences on the functionality of our geospatial tools.
* Build dynamic cache and retrieval methods for optimized hot/cold layers to save on infrastructure costs and energy use.

**INTEGRATION CONSULTANT** *May 2021 to February 2022*

Yellowfin Business Intelligence *Boise, ID*

* 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 infrastructure (Proxies, Docker, K8, Load Balancers).
* Author internal consultant health check playbook covering best practices for Yellowfin's on-prem deployments.

**PRODUCT ENGINEER** | Environmental Systems Research Institute (Esri) *May 2017 to May 2021*

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

**OPEN-SOURCE PROJECTS**

* **Blogthedata.com (2021 to Present)** A fully featured blogging application written in Django.
* **GeoAsteroids.com (2022 to Present):** A unique twist on the classic Atari Asteroids game, integrating GIS concepts into a dynamic, interactive web game written in pure Typescript.

**EDUCATION**

**COMPUTER SCIENCE (B.S. Equivalent)** *Graduating Spring 2027*

Open Source Society University (OSSU)*github.com/ossu/computer-science*

**M.S. GEOINFORMATICS AND GEOSPATIAL INTELLIGENCE­** *May 2017*

George Mason University, GPA 3.93*Fairfax, VA*

**B.A. GEOGRAPHY (GIS & REMOTE SENSING EMPHASIS)** *May 2015*

University of California, Santa Barbara, GPA 3.85 *Santa Barbara, CA*

**Skills**

Python | TypeScript | SQL | Django | GDAL | PostGIS | GeoPandas | ArcGIS | Mapbox | QGIS