

JAMES BYRNE

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SUMMARY

I am a versatile software developer coming from the world of Full Stack Engineering as a Developer and Consultant who is interested in leveraging geospatial data and data visualizations as well as hardware to solve pressing problems. I bring a unique skill set in combining technical contribution and problem solving, efficient yet collaborative workflow facilitation, and a constant vision of my client and customer's needs.

SKILL SETS

Software Engineering & Technical:

Languages: JavaScript ES6 | Python | HTML | CSS | SQL | Java | C++ | Matlab

Frameworks & Libraries: React | Next.js | Angular | Django REST | D3.js | Chart.js | Highcharts | Bootstrap

Tools and Services: Docker | AWS | Serverless | NodeJS | MongoDB | PostgreSQL | Wordpress | JIRA

Geospatial Tools and Skills: Google Earth Engine | ArcGIS Pro | Remote Sensing | Drone Photogrammetry

Development & Project Management:

Data Visualization | Full Stack Development | Geospatial Analysis | Kanban Agile Workflow | Version Control (Git)

Client Interaction:

Communication | Attention to Detail | Requirements Translation | Iterative Feedback Facilitation and Integration

EDUCATION

Bachelor of Science in Computer Science | *Loyola Marymount University (LMU)* | Los Angeles, CA

Classes: *Interaction Design | Database Design | Artificial Intelligence | Data Structures and Algorithms*

Awards:

- *1st Place UCSB PIPELINES competition 2018 | most innovative and effective design solution to real world Naval engineering problems.*
- *2nd Place at Idea Hacks 2018 | Less Stressed Dress | UCLA Hardware Hackathon*

EXPERIENCE

Geospatial Analyst | *NASA DEVELOP National Program | 10 week internship* **Sep 2021 - Nov 2021**

- Worked with partners at St. Joseph Peninsula State Park in Florida over a 10 week term to provide geospatial analysis of the impact of Hurricane Michael on their park.
- Utilized Google Earth Engine and ArcGIS to assist in park restoration efforts, help increase disaster preparedness, and educate the local community through data visualizations in an ArcGIS StoryMap.
- Uncovered impactful insights by analyzing shoreline change, sediment transport, and climatology.
- Left BAH to pursue this NASA program which helped to develop remote sensing and geospatial data skills.

Full Stack Developer | *Booz Allen Hamilton | Senior Consultant* **Jul 2019 - Sep 2021**

- Built full stack web applications with effective data visualizations to increase the efficiency of critical decision making capabilities within the Navy, Army, Air Force, and Space Force.
- Met with high profile clients to gather and iterate over requirements, leading to successful deliverables.
- Provided consulting to non-profit clients for direction and management of online business strategy, growth, and maintenance.
- Participated in and led Agile practices of fast moving software development teams to facilitate quality products and increased efficiency.