



**BLACKLYNX**

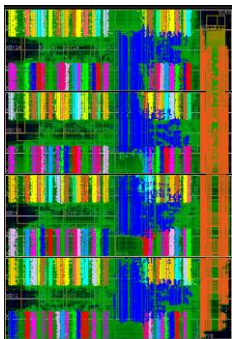
# Company Overview and Career Opportunities

- Presented by David Sorber and Neil Tender

- Privately owned
- Currently >120 employees and growing
- 2 offices:
  - Rockville, MD
  - Chantilly, VA
- **Founded:** 2018
- **Markets:** government, commercial data-as-a-service, engineering services

## **DARPA GNU Radio Project :**

Processor Acceleration for GNU Radio



- Software Defined Radio
- Synthetic Aperture Radar (SAR)
- Wideband radio
- RF Machine Learning
- Signal Intelligence
- Heterogenous computing – CPU/FPGA/GPU
- 5G
- Geolocation
- Edge/on-board processing
- Aerospace scheduling and modeling
- Machine Vision
- High Speed Search
- Data Analytics
- Resilient Networking

<P>A **regular expression** (**regex** or **regexp** for short) is a special text string **expressions** as wildcards on steroids. You are probably familiar with wildcard manager. The **regex** equivalent is `<TT CLASS=regex>,"l,txt$</TT>.</P>`

<P>But you can do much more with **regular expressions**. In a text editor like specialized text processing tool like `<A HREF="powergrep.html">PowerGREP CLASS=regex</b>|b[A-Z0-9_%.+]*@([A-Z0-9-]+|[A-Z][2,4])b</TT>` to search for exact. A very similar **regular expression** (replace the first `<TT>b</TT>` with `<A href="mailto:hr@blacklynx.com">hr@blacklynx.com`) can be used by a programmer to check if the user entered a `<a href="mailto:hr@blacklynx.com">hr@blacklynx.com` line of code, whether that code is written in `<A HREF="perl.html">Perl</A>`

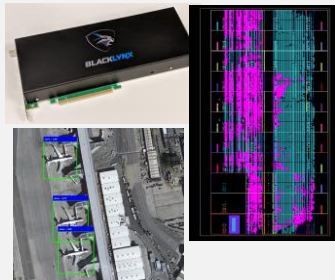
## Mission Analytics

Provides high performance analytics to rapidly analyze large incoming data sets and sensor streams, enabling complex high-speed search, dashboard alerts, and real time insights.



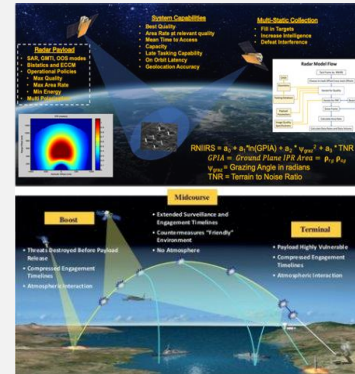
## Sensor Processing

Emphasis on edge compute through hardware and software innovations. Expertise in custom logic, computing infrastructure & data management/movement.



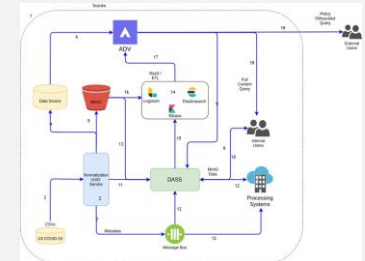
## Aerospace

Emphasis on modeling and simulation of space platforms and constellations. Expertise in large scale simulation, precision GN&C and line sight design, and hardware testbed solutions.



## Infrastructure Automation

IT infrastructure as a service-accredited full feature stack. Data as a service. Network modeling and dynamic network provisioning.



We are hiring! These roles are ideal for anyone passionate about building innovative systems to solve challenging problems.

➤ <https://careers.blacklynx.tech>

Location: Maryland, Virginia, or remote

**Selected Job Openings: (*US Citizenship is required*)**

- Senior Software Engineer, Linux and C++
- FPGA Design Engineer
- Senior Software Engineer, GPU/CUDA
- Mobile Applications Developer
- Senior Systems Engineer, 5G
- Radio Access Network Subject Matter Expert
- Satellite Communications Engineer



# Why You Should Consider BlackLynx

- **Excellent benefits – medical, dental, vision, 401K match, disability**
  - ✓ **PTO** – 200 hours/year
  - ✓ **Holidays** – 10/year, federal government schedule
- **Opportunities for company-sponsored education and training**
- **Remote work allowed**
- **Social events, fun company culture**



Talk to us! Neil Tender, David Sorber

Check out BlackLynx careers:

➤ <https://careers.blacklynx.tech>

Check out our presentation tomorrow:

**“The State of GNU Radio Accelerator Device Support”**

Tuesday 9/21 at 11am in Coliseum Ballroom