RE: Intelligence Role

To whom it may concern,

I am writing to express my strong interest in the advertised intelligence role. My professional experience has been defined by a relentless drive to understand, analyse, and subvert complex digital systems, a skill set I believe is intimately applicable to this role.

A career built on a deep, hands-on understanding of how systems function and, more importantly, how they can be exploited. My work has included:

Background

SYSTEM EXPLOITATION & SUBVERSION

My hands-on experience includes disrupting the BitTorrent ecosystem by developing elaborate WMV format DRM header rewrite highjacks and using OSS BitTorrent tracker exploits. I also employed DHT poisoning to influence popular files, and automated the entire process of content submission. During the Internet Explorer era, I developed a silent BHO that rewrote all advertiser banners to deploy permanent affiliate marketing cookies. This project was ultimately abandoned due to legal risk after reaching approximately 250,000 installs.

GEOSPATIAL INTELLIGENCE & RECONNAISSANCE

I have a strong interest in digital reconnaissance methods and geospatial intelligence, with a long-standing personal use application to scalable characterisation of abandoned mines for spelunking.

RELENTLESS INVESTIGATION

My approach to problem-solving is relentless, one example of which is the successful decade-long search for a lost underground science lab, lost for 59 years — Upper Cooney Tunnel Rediscovery.

GROUND TRUTH PERSPECTIVE

I have extensive ground truth perspective on digital reconnaissance analysis versus actuals, repeatedly and painstakingly validated e.g. Carbonate Hill, NM.

SECOPS

I have executive, operational, and subject matter expert experience directing and analyzing Vulnerability & Penetration Testing and GRC programs.

Current Interests

PREDICTIVE AI BEHAVIOR MODELING

Researching human, animal, and logistics behavioral modeling, including traversal strategy and terrain defensibility/insurgence prediction. My recent work includes AI / SAR human movement behavioral prediction and analysis, such as the Mapgyver lost person modeling documented here: https://drksci.com/research/mapgyver-lost-person-modeling.

DIGITAL AUDIO & COVERT SENSING

Exploring how to use optics and binary interference patterns (rather than DSP) for scalable audio surveillance. This interest extends to covert sensing through miniaturised discrete audiosondes with LoRa or drone/BT uplink.

CORPORATE OSINT

Developing automated methods for insider trading intelligence through the relationship analysis of hidden 'arms-length' parties, such as evaluating situations where a site contractor coincidentally invests in a mining concern after performing work — ostensibly for proprietary automated trading purposes.

In my view, "side channel" sensing and intelligence acquisition and automated analysis will be of increasing significance for situational awareness. My unique background and hands-on expertise are perfectly suited to tackle these complex challenges.

Thank you for your time and consideration.

Sincerely,
Blake Carter

Available for discussion at your convenience | References available upon request