

# SCOTT M. McCORMICK

## PROFESSIONAL EXPERIENCE

**2008 – Present Kvant Corporation / McCormick ICT International – San Francisco / Washington D.C.**

### **President**

- Conducts full scale strategic and tactical security assessments, risk management and policy consultation services for clients to secure and protect clients from today's continuous data breaches. Experience spans domestic and international, from highly regulated energy, finance, healthcare and telecommunications industries, to national security and retail, to small businesses.
- Utilizes industry best practices and past performance from government service in Computer Network Operations (CNO) to create enterprise information security strategies and policies to protect clients from state and non-state actors
- SME on Distributed & Cloud Computing platforms, advises clients on industry best practices to utilize the latest technologies, enabling efficient, robust, and secure business processing platforms
- Provides consulting services on Internet and telecommunications technologies, security, resource management, policy and governance.
- Works with public and private sectors developing international policy for the advancement, security, stability and resiliency of the internet.
- Educates USG policy makers on current/future internet and technology standards and policy that affects domestic and international policy as well USG national security interests.
- Participates Active voting member of the International Corporation for Assigned Names and Numbers (ICANN) Generic Names Supporting Organization (GNSO) Business Constituency (BC), consults on technical and security related policy issues within the GNSO
- Internet Society (ISOC) member – D.C. Chapter
- Participates in Internet Governance Forum (IGF, IGF-USA)
- Monitors Internet Engineering Task Force (IETF) current/future internet and telecommunications technology standards
- McCormick ICT International was operated 2008-2013 as a sole proprietorship; in 2013 Kvant Corporation was incorporated, with a DBA McCormick ICT International.

**2015 – Present Alchemy Data LTD – London, UK / Bordeaux, France**

### **Chief Security Officer**

- Alchemy uses Internet infrastructure data and patented algorithms to provide data analysis and intelligence; delivering valuable insights to the advertising, security and content distribution communities. Alchemy's analysis builds maps that can be used to clearly identify traffic patterns and predict Internet traffic flow. This intelligence can be used to enhance Internet security and help manage content and traffic flow. At the same time, Alchemy's intelligence allows advertisers and advertising networks to know where they can more effectively place their ads. Alchemy facilitates strategic, cross-device ad placement based on actual user preferences and specific interests. Alchemy's commercial and security applications work across any Internet connected device.

**2008 – 2013 KEYW Corporation – Hannover, MD**

Contracted to: Various U.S. Government Agency's

### **Chief Technical Advisor/Senior Systems Engineer**

- Advised customers on U.S. Government Cyber Policy, Internet Governance, and International Standards and their effects on current operations
- Produced and presented technical studies to members of U.S. Congress, agency directors, senior USG officials and military commanders

- Presented and trained at National Technical Investigators Association (NTIA) on forensics, and surveillance practices and techniques
- Managed and lead IRAD projects to increase business lines in computer and mobile forensics, mobile applications development, TTL and surveillance systems
- Managed and oversaw projects logistics and technology development
- SME on Distributed & Cloud Computing, advised clients on industry best practices
- Conducted technical operations and modernization of collection and processing systems
- Co-developed initial concept and strategy for enterprise cyber awareness and response platform to fill the gap that current network security platforms (i.e. Firewalls, IPS, & IDS) do not fulfill
- Worked with clients to define system requirements, conduct site surveys and advise solutions
- Troubleshoot systems, designed temporary and long-term strategic and tactical solutions
- Documented new and existing systems for continuity of projects and systems for future support; utilizes MS Visio, AutoCAD, D-Tools and Excel to design and integrate multi-facet systems for seamless end-user experience
- Provided Quick Reaction Capabilities (QRC) including systems engineering, mechanical engineering, electrical engineering and operational capabilities for customers immediate requirements
- Deployed systems to the field (CONUS & OCONUS), including combat and hazard duty travel
- Built systems to design specifications using custom cable assemblies, wiring, labeling and testing

**2007 – 2008**     **Booz Allen Hamilton** – Annapolis Junction, MD  
 Contracted to: *USSTRATCOM JFCC-NW (USCYBERCOM)*

**Technical Advisor; Cyber Policy Consultant**

- Developed, implemented, and managed clients strategy for influencing cyber policy at national and international levels to support computer network operations and cyber security objectives
- Represented firm and clients at International cyber governing bodies
- CNO and cyber policy SME for J2, leveraged technical expertise to track new and existing technologies and policies, to provide training to clients on the positive and negative effects to mission objectives
- Managed DoD and Interagency coordination of cyber policy planning to assure national security interests were protected pertaining to U.S. national cyber initiatives
- Provided cost benefit analysis, risk analysis, and systems analysis to streamline and automate daily processes increasing client efficiency and reducing labor costs
- Produced cyber intelligence reports to include Electronic Target Folders (ETF), Target System Analysis (TSA), Battle Damage Assessments (BDA), and technical analysis reports

**2006 – 2007**     **Crucial Security** – Chantilly, VA  
 Contracted to: *F.B.I. – Special Technologies & Applications Office*

**Engineer; Forensic/Technical Analyst; System Administrator**

- Consulted and trained client on multiple Geographic Information System (GIS) applications to determine best application and infrastructure to meet current and future needs for an enterprise GIS
- Utilized cross agency and International Law Enforcement connections to support national security agendas
- Computer Forensic Examiner, conducted deep technical analysis, data mining, packet analysis, and processing of digital intelligence utilizing Perl, Real Expressions, Shell, Visual Basic, C, C++, and Python on Windows, Linux (Fedora, Red Hat, and Helix), and Unix systems to support CT, CI, and Law Enforcement investigations in domestic and international operations
- Managed digital evidence and regularly conducted computer forensic examinations of media using EnCase, FTK, and Sleuth Kit (on Linux and Unix systems) for comparison to automated data extraction programs to aid follow on investigations

- Provided end-to-end solution by creating clients first automated distributed “cloud” computing platform to perform password cracking; utilizing rainbow tables, dictionary lookup and brute forcing across desktops, HPC’s(SGI), & FPGA arrays
- Developed automated tools and systems to replace manual processes that used network monitoring tools such as Firewalls, IPS & IDS to inspect and analyze network traffic for suspicious and abnormal signatures
- System Administrator for enterprise computer forensic database, access controls in Unix environment
- QRC Embedded Systems Engineer, reverse engineered hardware with complete binary extraction to exploit platforms, developed advanced embedded technologies with past electronics experience using breadboards, soldering surface mount components on circuit boards (PCBs), assembly, packaging and concealment, and hardware testing and integration
- Created advanced 3D GIS visualization and tracking applications to model real-time data in SGI’s Red Hat High Performance Computing environment

**2004 – 2006 U.S. Air Force – Fort Meade, MD**

**SIGINT/All-source/Network Intelligence Analyst**

- Created and presented tactical intelligence summaries and briefings for national level leadership
- Researched and performed network assessments of Internet and telecommunications networks
- Performed geospatial analysis of high threat emitters within tasked areas
- National Tactical Integration Analysis providing direct support to the war-fighter
- Fused all-source intelligence to create unique products fitted to customers needs
- Applied advanced technologies to identify targets quicker and produce efficient results

**2000 – 2004 U.S. Air Force – F. E. Warren AFB**

**Nuclear Weapons Specialist; Information/Information Systems Workgroup Manager**

- Ensured immediate frontline support, maintaining 100% operational capability of servers (Windows & Linux), 200+ computers (licensing & software upgrades), 500+ user accounts, DNS, and IP addressing and routing
- Performed tactical offensive and defensive security for Department of Defense priority “A” resources, close combat support
- Munitions Controller - Assured 100% accuracy and accountability of over 2,500 nuclear warheads and historical records; numbers briefed daily to President of the United States
- Coordinated conventional and nuclear weapon logistics for 70 personnel in five sections, resulting in dismantling potentially dangerous situations
- Configured workstations, servers, tape library backups and network switches
- Used working knowledge of electronic and engineering principles to research, design and source technical solutions, purchased and installed equipment with 66% savings to organization

**EDUCATION**

**University:** B.S. Geography & Environmental Planning – Towson University, Maryland

**U.S. Air Force:** SIGINT/DNI Analyst Technical School – Goodfellow AFB, Texas  
Nuclear Weapons Technical School – Sheppard AFB, Texas

**PROFESSIONAL AFFILIATIONS**

Internet Corporation for Assigned Names and Numbers (ICANN):

- Commercial and Business Users Constituency
- Joint DNS Security and Stability Working Group

Internet Society (ISOC)

DHS DNS & Internet related working groups:

- 2014 IT Sector DNS and Internet Routing Risk Analysis Working Group
- 2014 IT Sector Cloud Computing Working Group