

## **MATTHEW BURDEN**

### **Chief Information Officer | Vice President for Information Technology**

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#### **EXECUTIVE SUMMARY**

Strategic Chief Information Officer with 20+ years of executive leadership advancing enterprise technology, cybersecurity, and digital transformation across higher education, healthcare-adjacent, and regulated environments. Proven ability to align IT strategy with academic, clinical, and operational priorities while strengthening compliance, resilience, and data-driven decision-making.

Recognized for building collaborative governance models, modernizing enterprise systems, and leading multi-campus technology ecosystems that support teaching, learning, research, and clinical education. Brings deep expertise in cybersecurity frameworks, regulatory compliance (HIPAA, FERPA, GLBA, PCI-DSS), and enterprise risk management.

Mission-driven leader committed to advancing health sciences education through innovation, service, and interdisciplinary collaboration—aligned with Northwestern University's focus on student success, clinical excellence, and community impact.

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#### **PROFESSIONAL EXPERIENCE**

##### **Chief Information Officer / Vice President for Information & Technology**

##### **North Central College – Naperville, IL**

2013 – 2025

Executive leader responsible for enterprise IT strategy, cybersecurity, infrastructure, and digital transformation supporting 7,000+ students, faculty, and staff.

##### **Strategic Leadership & Governance**

- Partner with President, Cabinet, and Board to align IT strategy with institutional priorities including student success, academic innovation, and operational sustainability
- Established formal IT governance structures ensuring transparency, prioritization, and cross-functional decision-making
- Serve as trusted advisor translating emerging technology trends, risks, and opportunities into actionable institutional strategy

##### **Enterprise Systems & Digital Transformation**

- Led full modernization of enterprise systems including ERP (Workday), CRM (Salesforce), and LMS (Canvas), creating an integrated, data-driven ecosystem

- Directed transition to cloud-first architecture improving scalability, resilience, and user experience
- Implemented enterprise data platforms improving reporting, analytics, and executive decision-making

### **Cybersecurity, Risk & Compliance**

- Built comprehensive cybersecurity program aligned with Zero Trust principles and regulatory frameworks (HIPAA, FERPA, GLBA, PCI-DSS)
- Led annual risk assessments, external audits, and incident response planning in coordination with executive leadership
- Strengthened disaster recovery and business continuity capabilities ensuring institutional resilience

### **Academic & Administrative Collaboration**

- Partner with faculty and academic leadership to support instructional technology, digital learning, and emerging modalities
- Collaborated on development of STEM and healthcare-related academic programs, aligning IT capabilities with program growth
- Enabled data-informed decision-making across enrollment, finance, and advancement functions

### **IT Operations & Team Leadership**

- Lead and mentor a 70+ member blended workforce delivering 24/7 IT services
- Established service management framework with defined SLAs, KPIs, and continuous improvement processes
- Optimized vendor portfolio and sourcing strategy, reducing operating costs by 18% while improving service quality

### **Key Achievements**

- Led enterprise-wide modernization improving system reliability, security posture, and user satisfaction
  - Directed successful integration of institutional merger, including systems, infrastructure, and academic and healthcare technologies
  - Advanced automation and DevSecOps practices improving operational efficiency and security
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## **Senior Director of Operations & IT (CIO)**

### **John G. Shedd Aquarium – Chicago, IL**

2000 – 2013

- Directed enterprise IT strategy across global research, education, and operational environments
  - Led development of international health systems (ZIMS) supporting over 700 institutions
  - Modernized infrastructure and implemented secure, scalable platforms supporting mission-critical operations
  - Built cross-functional governance and risk management structures
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## **Director of Information Technology**

### **Northwestern University – Chicago, IL**

- Led enterprise IT operations for Chicago campus
  - Directed wireless expansion, ERP modernization (PeopleSoft), and academic support systems
  - Served on university-wide IT governance committees
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## **Executive Officer / Intelligence & Technology Leader**

### **U.S. Army & Army Reserve - Worldwide**

- Led secure global communications and intelligence systems supporting national and international missions
  - Specialized in risk management, operational resilience, and high-stakes decision environments
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## **EDUCATION**

### **MBA (Strategy) – Gies School of Business, University of Illinois**

Capstone: Consulting with the London Exchange and Chicago Mercantile Exchange, advised and implemented new Shanghai Futures Exchange risk management strategy.

### **MS (Computer Science) – University of Chicago**

Focus: Secure trading systems, high-availability computing.

Recipient: The Faculty Award (Outstanding Graduate Student)

## **BA – University of Illinois at Chicago**

Recipient: *Distinguished Military Graduate Award*

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### **PROFESSIONAL DEVELOPMENT AND COMMUNITY ENGAGEMENT**

#### **Certifications & Professional Development**

- **Current:** (ISC)<sup>2</sup> Certified Information Systems Security Professional (CISSP)
- **Former:** CompTIA Security+ | ITIL Foundations | CompTIA Cyber Security Analyst | Cisco CCNA and CCNP | MCSE | Series 7/63/21 | Top Secret SCI Clearance
- **Recent Coursework:** AI in Cybersecurity | Cloud Security | Ethical Hacking | Blockchain Programming

#### **Professional Engagement**

- **Active Member:** Educause | Infragard (FBI) | VFW | American Legion, China Post #1 | AFIO
- **Former Member:** Brookings Institution Cybersecurity Working Group
- **Active Board Member:** Hero Labradors (Provides service dogs for first responders and military)
- **Former Board Member:** Team Rubicon | Soldiers' Angels | UIC Center for Research in Information Management | Heroes & Horses

#### **Publications**

**Author:** *The Blog of War* (Simon & Schuster, 2006) - Basis for HBO's acclaimed film *Taking Chance* (2009)