

## PROFILE

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Seeking an opportunity focused on innovation that rewards creativity and self-direction and emphasizes abilities rather than discrete skills. The ideal position would leverage a diverse background in technology, a Master's Degree in Electrical Engineering, exceptional skills in problem solving, technology commercialization, and research and development, as well as strong soft-skills for communication and customer and management interaction to create new ideas, solutions, or products. Recent work has focused on mobile device security and complex solution research and development.

Active Security Clearance: **TS/SCI + Government Poly**; Willing to travel and relocate.

## EXPERIENCE

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**LOCKHEED MARTIN**  
*SYSTEMS ENGINEER*  
SEP 2009 - PRESENT

Simultaneously supporting multiple programs; *Secure Mobile Platforms*: Lead engineer for research and development dealing with secure wireless systems, enterprise mobility, network security, and emerging mobile technologies. Establish vendor relationships, interact with customers, design and recommend technology architectures and roadmaps. Respond to RFIs with technical white-papers and presentations as a subject matter expert.

*Systems Engineering*: Responsible for understanding complex customer missions, researching, synthesizing, and executing technical solutions to enhance mission success. Requiring flexibility to adapt to evolving needs and a deep comprehension of a wide range of topics. Must balance technical limitations with mission needs, mitigate risk, and maintain program security. Regularly brief customers and management on complex solutions, new technologies, and deployment strategies in a comprehensible manner. *Herndon, VA*

**CRANE CONSULTING**  
*FOUNDER / CONSULTANT*  
FEB 2001 - PRESENT

Responsible for developing and deploying dependable and cost-effective solutions for a diverse range of client interests, as well as troubleshoot and diagnose a plethora of client issues, generally without systems history or background. Services provided include: network and server support, web application development, electronic widget circuit design and prototyping, and more. *International*

**WILLTIGUE, INC**  
*BRAND MANAGER*  
MAY 2008 - MAY 2009

Tasked with designing consumer health products, branding, marketing, and distribution strategy for a new product launch, as well as supporting existing products and brands. *Tampa, FL*

**FLORIDA SPACE INSTITUTE**  
*RESEARCH ASSISTANT*  
Nov 2007 - JUN 2008

DARPA research project to remotely sense wind vectors using laser sensors at UV frequencies; DIA project dealing with laser detection hardware and algorithms; DARPA Tactical Communications Data Link replacement, "ORCA", airborne optical communications link design and testing. *Cape Canaveral, FL*

**CENTRAL FLORIDA REMOTE SENSING LABORATORY**  
*RESEARCH ASSISTANT*  
AUG 2007 - JUN 2008

Simulation, analysis and development of algorithms dealing with wind vectors, rain rate, sea-surface temperatures and noise in storm systems using aircraft and satellite borne radiometers and scatterometers. Also worked on a contract project for Raytheon dealing with ground penetrating radar systems. *Orlando, FL*

**UNIVERSITY OF SOUTH FLORIDA**  
*NETWORK ADMINISTRATOR*  
JUN 2000 - AUG 2002

Built and configured Windows 2000 servers; Responsible for testing and maintenance. Developed new web applications for staff and students. *Sarasota, FL*

## EDUCATION

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MASTERS ELECTRICAL ENGINEERING	University Of Central Florida	2008
BACHELORS ELECTRICAL ENGINEERING	University Of Central Florida	2007
MICROSOFT CERTIFIED SYSTEMS ENGINEER	Keiser University	2001
CISCO CERTIFIED NETWORK ASSOCIATE	Sarasota Technical Institute	2001

## SKILLS

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SYSTEMS/ENVIRONMENTS	Microsoft Windows Desktop & Server (All Versions), Linux, Apple OS X & iOS, Google Android, VMWare ESXi, Citrix Xen Server, Cisco IOS
LANGUAGES	C, C++, BASIC, HTML, LaTeX, CSS, PHP, MySQL, JavaScript, AJAX, XML
TECHNOLOGIES	Virtualization, TCP/IP Networking, LAN/WAN/Wireless Networks and Topologies, DNS, DHCP, VPN, SMTP, IMAP, Apache, SSL, RAID, FTP, 802.1X, PKI, Databases
SOFTWARE	vSphere, MATLAB, Microsoft Office, Mathematica, Multisim, PSpice, Eagle Circuit Board Layout/Design, MathCAD, Satellite Tool Kit (STK), Wireshark
OTHER SKILLS	<p>Exceptional interpersonal, analytical, problem resolution, presentation, and organizational abilities. Strong oral and written communication skills. Advanced troubleshooting and diagnostic skills; capable of identifying problems quickly without much prior knowledge of the situation.</p> <p>In-depth knowledge of diverse business areas, including production, distribution, and marketing. Highly effective at communicating plans, requirements, and results to professionals at all management levels and technical backgrounds.</p>

## CERTIFICATIONS

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Certified Information Systems Security Professional	IN PROGRESS
Microsoft Certified Professional	2001
CompTIA A+ Certification	1999

## COURSEWORK

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SENIOR DESIGN PROJECT	[Undergraduate] Vehicle Data Logging Device; Interfaced with passenger vehicle On Board Diagnostics; Captured Images, Acceleration Data, GPS Data, and Yaw Rate. Also included application to post-process collected data. <a href="http://kfiducia.com/SDP07W/">http://kfiducia.com/SDP07W/</a>
SATELLITE COMMUNICATIONS	[Undergraduate] Communications satellites, Earth stations, Link Budget Calculations, FDMA and TDMA. Satellite link budget calculation and analysis.
RADAR SYSTEMS	[Graduate] Pulse and CW Radar Systems, Chirp Radar, Tracking Radar, Noise in Radar Systems.
WIRELESS COMMUNICATIONS	[Graduate] Cellular networks, multiple-access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Developed small-scale fading and multi-path propagation models.
COMMUNICATIONS SYSTEM DESIGN	[Graduate] Information and coding theory. Modem design. Modulations. Intersymbol interference and pulse shaping. DS and FS spread-spectrum systems. Developing a solution to the DARPA ORCA project.
SATELLITE REMOTE SENSING	[Graduate Level] Fundamentals of satellite remote sensing, orbits and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysical measurements.