

## JOHN VAIL

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### EDUCATION

East Carolina University, Greenville, North Carolina <b>M.S. in Technology Systems</b> (4.0 G.P.A.) Areas of Concentration: Information Security, Computer Networking Management Thesis: "Small Business Information Security"	<b>2012</b>
The Florida State University, Tallahassee, Florida <b>B.S. in Interior Design</b> (3.33 G.P.A.)	<b>1991</b>
Florida State College at Jacksonville, Jacksonville, Florida <b>A.S. IT Security</b> (with Honors - 4.0 G.P.A.) <b>A.S. Networking Services Technology</b> (with Honors – 4.0 G.P.A.)	<b>2010</b>
Tallahassee Community College, Tallahassee, Florida <b>A.A.</b> (with Honors – 3.77 G.P.A.)	<b>1989</b>

### TEACHING EXPERIENCE

Florida State College at Jacksonville, Jacksonville, Florida Professor – "Hardware Configuration", "Software Configuration", "Information Storage & Management", "Network Fundamentals", "Fundamentals of Information Security", "Information Security Management", "Citrix XenDesktop", "Virtual Infrastructure: Install, Configure and Manage", "Virtual Infrastructure (Cloud)", "Enterprise Systems Integration", "Infrastructure and Facilities Planning", "Computer Networking Capstone", "Scripting for Cyber Security Professionals", "Software Defined Networking, and Server Configuration" Developed syllabus and overall course structure including weekly lab practicum, and administered all grades.	<b>2012 - 2019</b>
Summer Working Connections, Collin College, Frisco, Texas <b>Advanced Network Analysis, Troubleshooting and Security (Wireshark)</b> Developed and taught curricula to other faculty so that they would be able to teach this course (or include as supplemental information to an existing course) in a subsequent semester.	<b>2013</b>
Summer Working Connections, Florida State College at Jacksonville, Jacksonville, Florida <b>Citrix XenDesktop</b> Developed and taught curricula to other faculty so that they would be able to teach this course (or include as supplemental information to an existing course) in a subsequent semester.	<b>2014</b>
Summer Working Connections, Florida State College at Jacksonville, Jacksonville, Florida <b>VMware Install, Configure and Manage [5.5]</b> Developed and taught curricula to other faculty so that they would be able to teach this course (or include as supplemental information to an existing course) in a subsequent semester.	<b>2015</b>
Summer Working Connections, Florida State College at Jacksonville, Jacksonville, Florida <b>Amazon Web Services [AWS]</b> Developed and taught curricula to other faculty so that they would be able to teach this course (or include as supplemental information to an existing course) in a subsequent semester.	<b>2016</b>
Summer Working Connections, Collin College, Frisco, Texas <b>VMware Install, Configure and Manage [6]</b> Developed and taught curricula to other faculty so that they would be able to teach this course (or include as supplemental information to an existing course) in a subsequent semester.	<b>2016</b>
Summer Working Connections, Florida State College at Jacksonville, Jacksonville, Florida <b>Amazon and Microsoft Cloud</b> Developed and taught curricula to other faculty so that they would be able to teach this course (or include as supplemental information to an existing course) in a subsequent semester	<b>2017</b>

### GRANTS

**Primary Investigator**, iNoVATE – A Network Virtualization Project National Science Foundation award # 1104234 **\$861k**  
**Primary Investigator** iNoVATE Expansion Project (iNoVATE-X) National Science Foundation award # 1501359 **\$820k**  
**Cyber Team member**, Trade Adjustment Assistance Community College and Career Training (TAACCCT) Department of Labor grant **\$19.7m**  
**Educator Grant**, Microsoft Azure (multiple grants)  
**AWS in Education Teaching Grant**, Amazon Web Services (multiple grants)

## AREAS OF RESEARCH

Cloud/Virtualization, Information Security/Information Assurance, IPv6, eLearning, Digital Inclusion.

## AWARDS/HONORS

**Subject Matter Expert**, Cyber Security & Information Systems Information Analysis Center.  
**Graduate Student Stipend Award** (\$2000), 2012 North American IPv6 Summit.  
**Outstanding Paper Award**, EdMedia 2015 – World Conference on Educational Media and Technology.  
**President's List**, Tallahassee Community College & Florida State College at Jacksonville.  
**Dean's List**, Florida State University & Tallahassee Community College.  
**Commandant's List**, Noncommissioned Officers Academy 18<sup>th</sup> ABN Corp.  
 Awarded **The Army Commendation Medal**, **The Army Achievement Medal** (with Three Oak Leaf Clusters), **The Armed Forces Expeditionary Medal**, **Certificates of Achievement**, and **Letters of Commendation**.  
**Achievement Award**, Dale Carnegie Training - presented by vote of classmates.  
**Solo Exhibition of Night Pictures** as the Premier Show of the new gallery in the Fine Arts Annex at The Florida State University.  
**Photographs selected**, Creative Tallahassee; 1989, 1990 - A juried exhibition, City Hall, Tallahassee.

## PUBLICATIONS, PRESENTATIONS, AND PAPERS

<i>"Innovative Approaches to Learning and Learning Environments"</i> 11 <sup>th</sup> International Conference on e-Learning & Innovative Pedagogies, New York City, New York	<b>2018</b>
<i>"The Importance of Digital Inclusion in an Era of Misinformation"</i> Western Balkan Information Literacy Conference, Bihac, Bosnia and Herzegovina	<b>2017</b>
<i>"Meaningful and Rich Learning Experiences"</i> Global Learn, Limerick, Ireland	<b>2016</b>
<i>"Gamification of an Information Security Management Course"</i> <b>Outstanding Paper Award</b> World Conference on Educational Media and Technology, Montréal, Quebec, Canada	<b>2015</b>
<i>"Teaching VDI in both virtual and physical environments"</i> Winter 2014 ICT Educator Conference, San Francisco, California	<b>2014</b>
<i>"The Future—Is the Future a Captive of the Past?"</i> Poster presented at the 25 <sup>th</sup> Annual Conference on College Teaching and Learning, Ponte Vedra Beach, Florida	<b>2014</b>
<i>"iNOVATE – filling the void for high-technology virtualization skills"</i> Poster presented at the 24 <sup>th</sup> Annual Conference on College Teaching and Learning, Ponte Vedra Beach, Florida	<b>2013</b>
<i>"iNoVATE: Filling the Void for High-Technology Virtualization Skills"</i> Poster presented at the E-Learn: World Conference, Las Vegas, Nevada	<b>2013</b>
<i>"IPv6-ready cloud providers have edge over competitors stuck in IPv4"</i> SearchCloudProvider, TechTarget	<b>2012</b>
<i>"Cloud Providers that Support IPv6"</i> Paper presented at the North American IPv6 Summit, Denver, Colorado	<b>2012</b>
<i>"Performance objectives for the AN/GVS-5 (GVLLD)"</i> Forward Observer's Handbook (Field Manual 6-30), U. S. Army Publication	<b>1988</b>

## CERTIFICATIONS

Security +  
 A+ (IT Technician)  
 ISACA Certified Information Security Manager  
 Cisco Certified Academic Instructor  
 EMC Information Storage Associate  
 Computer Support Technical Certificate  
 Computer Security Specialist Technical Certificate  
 Network Support Technician Technical Certificate

## RELATED EXPERIENCE

NCC Curriculum Standards Panel Special Interest Group	<b>2016-2018</b>
<b>Member of the National CyberWatch Curriculum Standards Panel</b> to assist in identifying learning objectives, concepts, procedures, situational judgments, and intellectual abilities required to develop capabilities maturity in cybersecurity foundational principles, techniques, tactics, protocols, and instructional design.	

## RELATED EXPERIENCE (CONTINUED)

East Carolina University; Greenville, North Carolina

**Graduate Research Assistant**

August 2010 – May 2012

Created survey instruments relating to accreditation, environmental sustainability, and small business information security.

Florida State College at Jacksonville, Jacksonville, Florida

**Student Technician**

June 2009 – August 2010

Inventoried, troubleshot and repaired routers, switches, etc. valued at ~\$3M; imaged, deployed, moved and re-installed computers and peripherals, including VOIP phones for faculty, staff and classrooms.

Aqua East, Neptune Beach, Florida

**Hard Goods Manager**

January 2004 – August 2010

Recruited, hired, trained, and supervised sales staff; managed inventory flow and stock levels, and maintained hard goods.

C.I.S./C.F.A., Nashville, Tennessee

**Operations and Project Manager**

November 2002 – June 2003

Managed all Projects and Operations, secured, managed and maintained the information systems which operated in a remote and networked environment.

Techline Studio Atlanta, Atlanta, Georgia

**Showroom and Project Manager, Buyer**

April 1993 – November 2002

Hired, trained and managed CAD drafters, designers and sales; managed inventory and purchase of product; secured, managed and maintained the information systems which operated in a remote and networked environment.

## MEMBERSHIPS

ISACA

Internet Society

Association for Computing Machinery

Phi Kappa Phi Honor Society

Golden Key International Honor Society

Omicron Delta Kappa National Leadership Honor Society

Jacksonville Information Technology Council

Cyber Security & Information Systems Information Analysis Center (CSIAC)

National CyberWatch Center

## SUMMARY OF PROFESSIONAL EXPERIENCE

As a paratrooper with the 82d Airborne Division, I strengthened my can do attitude and the importance of rapid, precise communication skills. While working with Dr. Craig White (owner of Innovations, the techline studio, and other businesses), I strengthened my knowledge and skills concerning running successful businesses as a member of the senior management team. My information technology experience started, most significantly, while as a Forward Observer utilizing a menu driven mobile computing and communications device to call for and adjust fire and as the GVLLD Team Sergeant. Since that time, I have been involved with and educated about (both formally and informally) information technology and information technology systems and their efficacies. As one way to give back, I have a founded and am running a non-profit specifically to foster Digital Inclusion.

I have the ability to identify and analyze problems, distinguish between relevant and irrelevant information to make logical decisions, and provide solutions to individual and organizational problems. This ability was further specialized and refined as a Forward Observer with the 82d Airborne- with letters of commendation attesting to that fact. I also utilized those abilities as the Operations and Project Manager while employed in Nashville, Tennessee and Atlanta, Georgia; and as a Professor at Florida State College at Jacksonville. I have the ability to consider and respond appropriately to the needs, feelings, and capabilities of different people in different situations; am tactful, compassionate and sensitive, and treat others with respect - which was exemplified as I managed a Customer Service department in Atlanta, Georgia, as I was a Student Technician at Florida State College at Jacksonville, and as a Professor at Florida State College at Jacksonville. I also have the ability to make clear and convincing oral presentations to individuals or groups; can listen effectively and clarify information as needed; facilitate an open exchange of ideas and foster an atmosphere of open communication. This is partially based upon the grades I have received in school for my presentations, the feedback I have received while attending Dale Carnegie, my participation in East Carolina's Emerging Leaders program – both as a participant and as a mentor, as a Graduate Student member of the Distance Education Innovations Group Cadre, as a Presenter at the conferences listed, and as a Professor of Computer Networking at Florida State College at Jacksonville.