

Carl Burnett
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Work Experience

Faculty Associate

Montgomery Community College, Information Technology Institute Rockville, MD 2007 to Present

Faculty associate Montgomery County Workforce Development program and computer technology skill development training.

Teaching concentrations include:

- Microsoft Applications: Word, Excel, Power BI, PowerPoint, Access, Outlook, Project, SharePoint.
- Internet Technologies: RWD, HTML5, JavaScript, jQuery, CSS3, XML, ASP, WordPress.
- Social Media Applications: LinkedIn, Twitter, YouTube, Facebook.
- IDE competencies include: MS Visual Studio; MS WebMatrix2; Dreamweaver CC, various CMS systems.
- Computer programming language competencies include: JavaScript, PHP, SQL.

Practitioner Faculty

Johns Hopkins University, Carey Business School Baltimore, MD 2005 to 2012

Practitioner faculty for undergraduate and graduate information technology programs in the Johns Hopkins University Carey Business School. Graduate and undergraduate teaching concentrations include Information Systems (design, development, implementation, maintenance, and analysis); E-Commerce; Project Management; Internet Multimedia; Computer Program Design; Service Oriented Architecture and Blue Ocean Strategy. Graduate program teaching concentrations include Information Security Architecture and Assurance; E-Commerce Security; and Service Oriented Architecture Security.

Instructional Systems Designer

U.S. Army Engineer School Ft. Belvoir, VA 1982 to 1983

Designed instructional materials used in warrant officer and engineer officer training. Instructional material included utilities and electrical power systems operations and maintenance for field and fixed facilities. Developed first program of instruction for team-based training. Designed and developed skill and specialty tracking for Warrant Officers, Captains and Majors. Participated in the development of a new information management system for programs of instruction.

Nuclear Power Plant Instructor

U.S. Army Nuclear Power Ft. Belvoir, VA 1976 to 1978
Group

Developed instructional material for electrical specialty track for Nuclear Power Plant Operators Course. Instructed electrical special training.

Instructional Systems Designer

U.S. Army Engineer School Ft. Belvoir, VA 1974 to 1975

Designed instructional material for power generation equipment. Design included instructional material for gas turbine, diesel and gas engine generators. Design included utilities support systems of air conditioning and refrigeration, water treatment and medical utility support systems.

Turbine Power Systems Instructor

U.S. Army Engineer School Ft. Belvoir, VA 1973 to 1974

Provided instruction to enlisted and officer personnel on turbine powered utility units.

Education

Master of Science (Information and Telecommunication Systems)

Johns Hopkins University, Baltimore, MD 2003
Carey Business School

Bachelor of Science (Information Systems)

	Johns Hopkins University, Carey Business School	Baltimore, MD	2003
	Associate Degree (Technology)		
	Excelsior College	Albany, NY	1977
Training	Emergency Managers Operations Course (FEMA Certification), US Army Corps of Engineers, Fort Shafter, Hawaii		1993
	Facilities Engineer Management Course US Army Engineer School, Fort Belvoir, Virginia		1979
	Nuclear Power Plant Operations and Maintenance Course Certification - Third Class Nuclear Reactor Operator (Electrical) US Army, Nuclear Power Plant School Fort Belvoir, Virginia		1976
	Instructional Systems Design and Development - US Army Engineer School Fort Belvoir, Virginia		1973
	Instructors Course - US Army Engineer School Fort Belvoir, Virginia		1973
Teaching Experience	Montgomery Community College, Information Technology Institute - Introduction to Computers - Introduction to Microsoft Windows - Introduction to the Internet - Microsoft Word, Level I - III - Microsoft MS Excel Level I – III		2006 to Present

- Microsoft PowerPoint, Level I - III
- Microsoft Access Levels I - III
- Microsoft Outlook, Level I - III
- Microsoft Project, Level I - II
- Microsoft Power BI Level I
- Responsive Web Design (RWD)
- HTML5, Level I – III
- Programming Fundamentals
- JavaScript
- jQuery Level I – II
- CSS3 Level I – II
- XML Level I
- Social Media – LinkedIn, Twitter, YouTube, Facebook
- Mobile Application Development

Johns Hopkins University, Carey Business School 2004 to 2010

Graduate 2006 to 2010

- Information Assurance Principles
- Security Architecture
- E-Commerce Security
- Foundations of Data Communication Systems
- Organization Data Communication Systems
- IT Enterprise Architecture

Undergraduate 2003 to 2010

- Principles of E-Commerce
- Web Principles and Web Page Design
- Program Design
- Project Management
- Advanced Web Page Development
- Information Assurance Principles
- Applications Programming
- Encryption and Cryptography

Non-Credit Course 2004 to 2006

- Programming Concepts using VB & JavaScript
- Project Management with Microsoft Project
- Web Page Development
- Advanced Web Page Development

- Introduction to Dreamweaver
- Client Scripting with JavaScript
- Project Management with Microsoft Project (2002) -
Level 1
- Writing for the Web
- Deploying Websites
- Web Server Administration
- Web Databases & XML
- Integrating with Legacy Applications

Central Texas College, 2010 to 2012
 Walter Reed Army Medical Center
 - Introduction to Computing

Professional Societies and Activities

Society of Motion Picture and Television Engineers (SMPTE) 2010 to Present

International Standards Committee (ISO) 2007 to 2009
 United States Representative

International Committee for Information Technology Standards (INCITS) 2006 to 2008

Toastmasters International, 1989 to 1991
 Past President, Pentagon Chapter

US Army Warrant Officers Association 1976 to 1978
 Past National President

Patents

Burnett Jan 20, 2004
 United States Patent - 6,681,231
 Integrated Information Processing System for Geospatial Media (GMIPS)

Burnett Sep 12, 2006
 United States Patent - 7,107,286
 Geocode® and Geospatial Media Recorder (GMR)

Burnett
United States Patent - 11/494,630
Geocode® Addressing and Routing

Jul 28, 2006

National & International Standards

Internet Engineering Task Force (IETF) RFC 6225: Mar 16, 2014
Dynamic Host Configuration Protocol (DHCP)
Option for Coordinate-Based Location Configuration
Information (LCI)

Geospatial Coordinate Metadata Representation
Standard Essential Patent (SEP)

Society of Motion Picture and Television Engineers Aug 23, 2011
(SMPTE) - SMPTE Standard 330:2011 - Unique
Material Identifier (UMID)

Geospatial Coordinate Metadata Representation
Standard Essential Patent (SEP)

Presentations

"Geospatial Media Information Processing" Dec 7, 2005
Presented to the International Committee for
Information Technology Standards (INCITS), an
American National Standards Institute (ANSI)
Accredited Standards Committee
McLean, VA

"Geospatial Media Information Processing" Apr 26, 2006.
Presented to the MIT Enterprise Forum
Arlington, VA

"Geospatial Media Information Processing" May 17, 2007
Presented to the Advanced Television System
Committee (ATSC)
Washington, DC

	"Geospatial Media Information Processing" Presented to the International Standards Organization (ISO), TC 211 Committee, Ubiquitous Geospatial Information Working Group Rome, IT	May 30, 2007.
Research Interests	<ul style="list-style-type: none"> - E-Commerce - Service Oriented Architectures - Project Management - Geospatial Media Information Management - Information Security and Assurance - Information Security Architecture - Distance Learning 	
National and International Standardization Activities	"Geospatial Coordinate Measurement Representation", Standards proposal presented to the International Committee for Information Technology Standards (INCITS), (an American National Standards Institute (ANSI) Accredited Standards Committee). Proposal presented for FAST-TRAC processing.	Dec 7, 2006
	"Geospatial Coordinate Measurement Representation (Revised)", revised standards proposal presented to the International Committee for Information Technology Standards (INCITS). Revised proposal presented on	Sep 10, 2007
	Society of Motion Picture and Television Engineers (SMPTE) - SMPTE Standard 330:2011 - Unique Material Identifier (UMID) – Geospatial Coordinate Measurement Representation Patent Claim Recognized	Aug 23, 2011
Academic Honors	Alpha Iota Mu - International Honor Society for Information Management	2002

Golden Key International Honor Society 2001

Alpha Sigma Lambda National Honor Society 1999