

Resume - Daniel D. Evans

Huntington, New York	danevans@acm.org																																																								
Summary	An experienced technologist, skilled in the application of computing to solve business problems. A manager at the intersection of people, computer systems, and software products with the ability to motivate, coordinate, and direct diverse applications of technology in an organization.																																																								
General	<p>More than 40 years experience in all phases of information technology, with a specialty in software product development. Have managed software developers, systems staff, data centers, financial operations.</p> <p>Managed and participated in the development of complex software products, completed on time and within budget.</p> <p>Managed an operational staff of over 100 with a \$4 million dollar budget, within a major financial institution handling payments and check processing, over \$10 million per day, with concomitant financial control and reporting responsibilities.</p> <p>Formal education includes BS in Mathematics (NMSU), MS in Computer Science (NMSU), Ph.D. in Computer Science (SUNY Stony Brook, Pace University), with a research interest in Quantum Computing</p>																																																								
Technical	<table><thead><tr><th>Languages</th><th>Java</th><th>Web Tech</th><th>Javascript</th><th>Voice</th><th>Video</th><th>OS</th><th>General</th></tr></thead><tbody><tr><td>Java</td><td>Networking</td><td>HTTP</td><td>jQuery</td><td>VoiceXML</td><td>A-380</td><td>Mac OS X</td><td>Software Product Development</td></tr><tr><td>Javascript</td><td>AWT & Swing</td><td>HTML & CSS</td><td>jQuery-UI</td><td>VXML-QA</td><td>Streaming</td><td>Linux</td><td>TCP/IP Networks</td></tr><tr><td>C/C++</td><td>JDBC</td><td>XML</td><td>JQ Mobile</td><td>PeriPro</td><td>Switching</td><td>WinXP</td><td>Compilers</td></tr><tr><td>Python</td><td>Servlets</td><td>XSL</td><td>D3</td><td>VoiceObjects</td><td>M-JPEG</td><td>AWS EC-2</td><td>Distributed Systems</td></tr><tr><td>ObjC/Cocoa</td><td>SOAP</td><td>SVG</td><td>AJAX</td><td>VoIP/SIP/RTP</td><td></td><td>ACP/TPF</td><td>Computational Geometry</td></tr><tr><td>Perl</td><td>Java 3D</td><td>Servers</td><td>Node.js</td><td>CCXML</td><td></td><td></td><td>RDB & SQL</td></tr></tbody></table>	Languages	Java	Web Tech	Javascript	Voice	Video	OS	General	Java	Networking	HTTP	jQuery	VoiceXML	A-380	Mac OS X	Software Product Development	Javascript	AWT & Swing	HTML & CSS	jQuery-UI	VXML-QA	Streaming	Linux	TCP/IP Networks	C/C++	JDBC	XML	JQ Mobile	PeriPro	Switching	WinXP	Compilers	Python	Servlets	XSL	D3	VoiceObjects	M-JPEG	AWS EC-2	Distributed Systems	ObjC/Cocoa	SOAP	SVG	AJAX	VoIP/SIP/RTP		ACP/TPF	Computational Geometry	Perl	Java 3D	Servers	Node.js	CCXML			RDB & SQL
Languages	Java	Web Tech	Javascript	Voice	Video	OS	General																																																		
Java	Networking	HTTP	jQuery	VoiceXML	A-380	Mac OS X	Software Product Development																																																		
Javascript	AWT & Swing	HTML & CSS	jQuery-UI	VXML-QA	Streaming	Linux	TCP/IP Networks																																																		
C/C++	JDBC	XML	JQ Mobile	PeriPro	Switching	WinXP	Compilers																																																		
Python	Servlets	XSL	D3	VoiceObjects	M-JPEG	AWS EC-2	Distributed Systems																																																		
ObjC/Cocoa	SOAP	SVG	AJAX	VoIP/SIP/RTP		ACP/TPF	Computational Geometry																																																		
Perl	Java 3D	Servers	Node.js	CCXML			RDB & SQL																																																		
Work History																																																									
2016 - present	Student, Adjunct Professor																																																								
Pace University, Seidenberg School	<ul style="list-style-type: none">Ph.D. Program, Computer Science 2018 - 2020Adjunct Professor<ul style="list-style-type: none">Fall 2020, CIS101 Introduction to ComputingSpring 2019, CIS102W Web Site Design for Nonprofit OrganizationsFall 2018, CIS102W Web Site Design for Nonprofit OrganizationsDPS Program - 2016-2017																																																								
2016 - 2017	Visiting Professor																																																								
SUNY Farmingdale Computer Systems and Information Technology Department	<ul style="list-style-type: none">BCS120 - Foundations of Computer Programming I (C/C++)BCS160 - Computers, Society and Technology (Excel, Access)BCS230 - Foundations of Computer Programming II (C/C++)BCS235 - Javascript and jQueryBCS345 - Java Programming																																																								
2015 - 2016	Visiting Professor																																																								
SUNY Farmingdale Mechanical Engineering Technology Department Software Engineering Technology Program	<ul style="list-style-type: none">MET 109 - Computer Programming and ApplicationsMET 230 - Electrical PrinciplesSET 220 - InternetworkingSET 230 - Wireless Technology and ApplicationsSET 310 - Software Applications for ERP Solutions (D3)SET 320 - Software Applications/Supply Chain ManagementSET 400 - Network Planning and Implementation (GDB)SET 402 - Software Applications in Stats Anal & Manufacturing Mgmt (DS)SET 410 - Senior Project																																																								
2014 - 2015	Adjunct Professor																																																								
Suffolk County Community College SUNY Farmingdale	<ul style="list-style-type: none">SCCC - CST 242 - Advanced JavaSCCC - CST 227 - Network w/Windows 2012 ServerSCCC - CST 162 - Web Page DesignSCCC - CST 262 - Advanced Web Pages, JavascriptFarmingdale - CRJ 115 - Introduction to Computer Forensics (Criminal Justice)																																																								
2010 - 2014 Voxeo	Senior Software Engineer																																																								
Voxeo, Orlando, FL (purchased by Aspect Software - July 2013)	<p>Supporting and developing proprietary software products.</p> <ul style="list-style-type: none">Conversion tools (compilers) generating code for Voxeo VoiceObjects from external sources, such as Voxeo Designer and Nortel PeriProThe Voxeo Twitter Proxy, an agent interface to Twitter for programs written in VoiceObjects, allowing them to be notified and respond to relevant tweetsVoiceObjects internals work to support new featuresThe Business User Interface, a browser interface allowing non-technical users to control configuration of active VoiceObjects programs																																																								
2003 - 2010 Invores	Partner, Vice President - Development																																																								
Invores Systems, Inc. Oyster Bay, NY	<p>Bringing to market Invores' EXpress2.0 VoiceXML Execution Environment, a VoiceXML system with SIP telephony speech recognition, and speech synthesis, entirely contained on a laptop computer.</p> <p>Developing Invores' VoIP hosting business for interactive voice applications.</p> <p>Designing/Developing Invores' software products</p> <ul style="list-style-type: none">ReProduce PeriProducer-to-VoiceXML ConversionHouseCalls, real-estate audio tour, the HouseCalls Customer web site, and Virtual Voice featureInvores Quality Assurance Tool for VoiceXML (IQAT)Peri2VO, a PeriProducer-to-VoiceObjects language conversion tool (contracted) <p>Consulting for IVR application development and maintenance, teaching VoiceXML, multiple customers, both on site and remote.</p> <p>Development of the Airbus A-380 Cabin Video Monitoring System under a contract with Parker-Hannifin Electronic Data Systems. CVMS is a video switch that receives video streams from multiple cabin cameras and displays them on custom flight attendant panels (FAP), supporting multiple stream display on a FAP, and stream sharing among FAPs.</p>																																																								
2000 - 2003 Nortel	Software Product Development Manager																																																								
Nortel Networks Bohemia, NY	<p>Managed development of Nortel's implementation of CCXML, Call Control Extensible Markup Language. Product has a number of unique features, including an embedded HTTP server which allows browser access for management, execution control, source display, and document debugging.</p> <p>Nortel's representative to the World Wide Web Consortium (W3C), participated in the Voice Browser Working Group which developed VoiceXML 2.0, and the Call Control sub-group, which concentrated on CCXML.</p> <p>Developed Nortel's implementation of the VoiceXML 1.0 Standard, based on the VPS/is platform (Periphonics), using voice recognition and text-to-speech synthesis (Java VoiceXML compiler, C++ web interface, with JavaScript embedded in IVR executor). One patent granted as a result of development work, 7,031,907 Tool for constructing voice recognition grammars.</p>																																																								
1992 - 1999 Periphonics	Executive Director																																																								
Periphonics Corp. Bohemia, NY (bought by Nortel Networks November 1999)	<p>Managed a staff of 30 software developers, maintaining and enhancing existing software products, and developing new ones.</p> <p>Developed PeriProducer, Periphonics' Visual Programming development tool for building Interactive Voice Response applications. PeriProducer was awarded Product of the Year in 1995 (Call Center magazine).</p> <p>Managed and participated in the development of PeriWeb, a multi-channel enhancement to PeriPro to adapt IVR applications to Web execution without logic changes. Won Product of the Year awards in 1997 and 1999 (version 2.0)</p> <p>Managed the development of a number of other visual tools, such as PeriStudio, a voice waveform editor, an internally distributed software license manager, and a visual grammar tool for voice recognition grammars.</p> <p>Managed the port of all IVR development tools from a Sun Unix to an Intel WinNT platform, to implement Periphonics' strategy of platform neutrality.</p>																																																								
1986 - 1992 Prisym	Partner																																																								
Prisym, Inc. Huntington, NY	<p>Established software consulting/development company with partner. Co-developer of Prisym's C Compiler and Source Level Debugger for TPF, marketed to users of IBM's TPF operating system. Products were also ported to VM/CMS and MVS/CICS.</p> <p>Provided custom software development for Citicorp's Enhanced Telephone, a joint development with Philips, NV in Holland. ET was a display phone with an Intel processor on-board, and software which provided a down-loadable virtual machine environment.</p>																																																								
1981 - 1985 Citicorp (GSO)	VP, Director of Technical Research and Development																																																								
Citicorp Group Systems Office Huntington, NY	<p>Managed staff of 25 for Home Services Access project, which developed the Home Access Language (HAL), and the HAL system for microprocessor delivery of home financial services, based on a virtual machine executing down-loadable content. It was used in Citicorp's Focus Online Banking system, and Citibank's Business Access product.</p> <p>Managed the development of the Diners Club (a Citicorp subsidiary) International Authorization System, which connected Diners Club franchises in Europe and the US through an international packet network for authorizations and other inter-franchise services.</p> <p>Internal consultant for Systems and Operations to Citicorp's Card Products Division, comprising seven operating subsidiaries in the credit card and travelers check business. Coordinated technical developments and operational procedures among the businesses to avoid duplication of effort, and to leverage individual business achievements across the division. Also hosted technology exchanges and published proceedings.</p>																																																								
1978 - 1980 Citicorp	Assistant Vice President																																																								
Citicorp Credit Services, Inc. Huntington, NY	<p>Managed remittance processing and check processing for the Citibank VISA and MasterCard cards. Responsibilities included a staff of 120 and a budget of \$4.5 million. Daily remittance volume was 300,000 items representing about \$11 million.</p> <p>Implemented the check processing and remittance computer center, which also hosted a development community of 40 online sessions (IBM 3031, MVS/TSO). Check processing was performed on an IBM 3890.</p> <p>After implementation, the check processing unit improved daily funds availability by one day. Other productivity enhancements included a mail opening unit to relieve data entry operators of the task, and improved payment investigations in support of Customer Service.</p>																																																								
Education																																																									
Pace University Pleasantville, New York (2016-2020)	Ph.D. Computer Science (3.94 GPA)																																																								
State University of New York at Stony Brook Stony Brook, New York (1995-2005)	Computer Science Ph.D. Graduate Program (42 hours, 3.7 GPA)																																																								
New Mexico State University Las Cruces, New Mexico	MS in Computer Science																																																								
Purdue University West Lafayette, Indiana	Graduate Study in Computer Science																																																								
New Mexico State University Las Cruces, New Mexico	BS in Mathematics																																																								
Publications																																																									
Evans, D., 2020	Quick Quantum Circuit Simulation (QQCS)																																																								
Tappert, C.C., Frank, R.I., Barabasi, I., Leider, A.L., Evans, D. and Westfall, L., 2019	Experience Teaching Quantum Computing																																																								
Barabasi, I., Tappert, C.C., Evans, D., and Leider, A.M., 2019	Quantum Computing and Deep Learning Working Together To Solve Optimization Problems																																																								
Evans, D., 2019	Extending CNOT's to n-Qubits																																																								
Evans, D., 2018	Dissecting a Quantum Program																																																								
Personal																																																									
Address	146 Mannetto Hill Road Huntington, New York 11743-6606																																																								
Contacts	Cell 516-410-0169 Email danevans@acm.org																																																								
Vital Statistics	Married US citizen. Passport																																																								
Associations	ACM, Lifetime Member																																																								