**Susie A. Cunningham**

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# EXPERIENCE

09/96 - **COMPUTER SCIENCE INSTRUCTOR, Indiana Academy of**

 **Mathematics, Science, and Humanities, Ball State University, Muncie, IN.**

 Instruct gifted and talented high school students at the Indiana Academy in the area of computer science and personal finance. Currently, instruct students in AP Computer Science A/JAVA Programming/Data Structures/JAVA

 (dual credit for BSU CS121), Visual Programming – Jython (CS120), Introduction to Programming/C++, Web Page Development, Virtual Reality Finance (dual credit for BSU FIN110), Projects in Engineering and Computer Applications courses. Work closely with students as an Academic Advisor. PC and MAC experience, Windows ’2.0 - Windows 11, MAC OS, Linux/Unix, VAX and IBM, Microsoft Office Products, HTML, JavaScript/CSS, Php, C++, Jython (mixture of Python and Java), VRML, Mumps, Cobol, Scratch, Jython and JAVA programming experience. **AP Reader and AP Consultant**.

09/00 – 11/00 **COMPUTER SCIENCE INSTRUCTOR, Indiana Wesleyan University,**

 **Indianapolis, IN**. Taught BIS350, Web Development in a Business

 Environment course. This course was a core course for a Business

 Information Systems (BSBIS) degree in the College of Adult and Professional

 Studies. This course introduced the basic principles of HTML, JavaScript

 control structures, various markup languages, and scripting languages.

 Hands-on skill development was emphasized. Have filled in as a substitute

 teacher for this course when needed.

06/90 - 06/96 **DEPARTMENTAL MANAGER,** **Ontario Systems Corp., Muncie, IN.**

 Managed various computer departments relating to computer software

 development, client services, and media conversions. Worked in direct

 contact with sales, outside vendors, and client base. Worked directly with

 InterSystems, LASON systems, Datamatx, DirectoryNet, BANKO, SunGard,

 Acollaid, TU, TRW, and Equifax. UNIX, MUMPS, and Internet experience.

 Worked on Altos, Sequent, Motorola, and PC 486 systems. Programmed

 software for General Ledger, Payroll, Accounts Receivable, Accounts

 Payable, Inventory, and Collection Agencies.

06/88 - 06/90 **PROJECT MANAGER,** **CONSECO, Inc., Indianapolis, IN.**

 Worked with MSA(D&B), ISA, and DataDesign vendor financial software

 packages in conjunction with CONSECO acquisitions. Programmed General

 Ledger, Accounts Receivable, Accounts Payable, and Escheat systems.IBM

 Mainframe, TSO, CICS, VSAM, MVS, OS, and PC 386 experience.

10/85 - 06/88 **SR. SYSTEMS ANALYST/INDEPENDENT CONTRACTOR,** **Ontario**

**Systems Corp., Muncie, IN.**

 Designed, developed and assisted in marketing support of custom financial software packages for a diversified number of companies. Financial

 packages included software for Collection Agencies, Payroll, General

 Ledger, Accounts Receivable, Accounts Payable, and Control.DMS, DOS,

 and XT/AT PC experience.

06/82 - 10/85 **SR. PROGRAMMER ANALYST**, **Ball Corporation, Muncie, IN.**

Responsibilities included maintaining, coordinating, and installation

planning of MSA (D&B) Financial software packages. Was primary support/

programmer for General Ledger and Accounts Payable systems.IBM

Mainframe, XEDIT, JCL, and COBOL experience.

01/82-06/82 **COMPUTER PROGRAMMER CONSULTANT**, **Charles A. Beard School Corporation, Knightstown, IN.**

 Duties included assisting teacher and office personnel in learning basics of computers and programming projects in BASIC on Apple IIC computers.

1979-82 **STUDENT SECRETARY**, **Biology Department, Ball State University,**

 **Muncie, IN.**

 Duties included organizing, distributing class and business materials.

1978-79 **YOUTH DIRECTOR, Church of Christ (Independent Christian Churches)**

 **Johnson City, TN.**

 Coordinated youth activities.

**EDUCATION** **M.B.A. Degree** - **Business Administration** - Dean's list.

 Ball State University, Muncie, IN 1989.

 **B.S. Degree** - **Computer Science** - Dean's list.

 Ball State University, Muncie, IN 1982.

 **Attended Milligan College - Academic Scholarship** - Dean's list.

 Milligan College, TN 1978-79.

 **Salutatorian -** Knightstown High School, Knightstown, IN 1978.

 **Continued education** in area of Industrial Technology/EE.

 Ball State University, Muncie, IN.

**PROFESSIONAL PRESENTATIONS**

- Summer of 2018, main presenter at “Innovative Educator Conference”

- Fall of 2007 - 2019, presented **workshop** material for **AP Computer**

 **Science A as an AP Computer Science Consultant.**

- Summers of 2003 - 2022, taught **APSI weekly workshops as an AP Computer Science Consultant.** Workshops have included **PreAP -** **Introduction to JAVA Programming, AP Computer** **Science A/JAVA, and AP Computer Science AB/JAVA.** (Previous years sessions were taught in the C++ programming

language.)

 **-** Summers of 2006 – 2008, 2014-2022 **AP Reader** for AP Computer Science exams.

 - Summers of 2000 – 2019 through Indiana Academy Office of Outreach Programs, taught week long **Elementary/Jr. High**/**High School Technology Workshop** in the area of **C++, JAVA, Scratch, Jython, Alice Programming, and Virtual Reality.**

Three of these summers, workshops were taught for Turkey Run School System elementary students.

 **-** Fall of 1998, through Office of Outreach Programs, presented ELF.

 **-** Summers of 1998, 1999, and 2000 through Office of Outreach Programs

 taught weekly workshops. Workshops included “**Fundamentals of the**

 **PC/MS Office”, “Multimedia PC Applications”,**  **“Beginning C++**

 **Programming”,** and **"Advanced C++ Programming".**

- Summer of 1997, through Office of Outreach Programs taught weekly

 workshop on **“Microsoft Office ‘97”.**

**CURRENT PROFESSIONAL CONTINUED EDUCATION**

 **- Enjoy attending various financial seminars.**

**- February of 2021, Attended a very private and prestigious viewing of the Indiana State Museum Abraham Lincoln Display.**

**- November of 2020, Attended a workshop presented by Enclave Engineering**

 **Software Company.**

**- Fall of 2020-22, Regular attendance Technology Student Association**

 **conferences.**

**- 2020, Completed Interrupting Racism. Course was presented by Hamilton County, Fishers, IN.**

 **- August of 2020, Completed Cybersecurity Webinar.**

 **- August of 2020, Completed the "Bloodborne Pathogen Training Course".**

**- July of 2020, Completed a week long boot camp on how to teach online classes from Ball State University.**

 **- July of 2020, Completed More advanced Canvas Training from University of**

**Southern Florida and how to use Blackboard Collaborate Ultra**

**- June of 2020, Completed the Indiana IDOE training for teaching Online Classes**

**- June of 2020, Completed Moodle Training and Creating Better Online Classes from Oakland University**

**- Spring of 2020, Bell Grant recipient**

 **- May of 2020, Completed AP Classroom Training**

 **- May of 2020, Completed Seizure Management Training**

**- March of 2020, Completed Telecommunications workshop** on how to make Professional Videos and learned about lighting and sound.

**- Fall of 2018 - 2019, worked with students on Thin-Sat NearSpace Launch Satellite project.** Satellite was launch on 04/17/2019 on NG-11 payload.

 Through this project, learned new information on building and programming

 satellites.

 **- Spring of 2019** attended Indiana State TSA (Technology Student Association)

 Conference

 **- October of 2018, Completed the “Boys Scouts of America Youth Protection Training Program**

 **- Summer of 2017** attended **Innovative Education Conference** sponsored by Ball State University

 - **Spring and Summers of 2016-2019** attended Indiana State and International

 HOSA (Health Occupation Student Association) Conference

 - **March of 2017** attended **Autism Conference** sponsored by Ball State University

 - Attended one day “Get Motivated” Workshop, lead by various speakers. June 28, 2016 Held at the Pan Am Plaza, Indianapolis, IN.

 - Attended three full day workshop (8:00 a.m. – 5:00 p.m.), “Dare to be Rich”. July 15th – 17th, 2016. Held at the Lexington Hotel at the Indianapolis Airport, Indianapolis, IN.

 - **Attend Dual Credit Training Programs** sponsored by Ball State University

 **- Spring 2015 completed** AP Training Workshops on overview of new

 **AP CS Principles course.**

 **- Spring 2014 completed** AP Training Workshops on **3 new labs.**

 **-** Attended **2014 CSTA Conference.**

 **-** Attended **2013-2016 Working Women in Technology Conference.**

**-** Summers of 2004, 2008, 2009, 2012, and 2013 completed week long **Tech Camp at IUPUI.**

 - Summer of 2011, completed 3 Day **“In the Loop”** Computer Science

 workshop at Purdue University.

- May of 2007, completed online **AP Computer Science Training** for

 new Grid World Case Study.

 **-** Spring of 2006 and 2007, attended **AP Computer Science Workshop** at

 Triton Community College, Chicago, IL.

- Fall of 2004 and 2005, attended **JETT Conference** at IU, Bloomington, IN.

- June of 2002, attended **AP Computer Science B Workshop** at IL Wesleyan

 University

- June of 2001, attended **NECC '2001.**

- Attended **COMDEX ’99 and COMDEX '2000.** (Bill Gates was keynote speaker.)

 - October of 1997, attended “**HyperMedia ’97** – Integrating Technologies into

 Teaching and Learning”.

 - July of 1997, attended a two-day “**PhotoShop**” workshop.

 - June of 1997, attended a two-week workshop on “**Novell Networks**”.

**INTERESTS and ACTIVITIES**

- Awarded **2021 Advisor of the Year for the State of Indiana for TSA**

 **(Technology Student Association)**

- Awarded **2020 Educator Award** from **NCWIT.**

- Mentor for **FIRST Robotics Team PhyxtGears 1720,** Indiana

**(Ranked 4th in the World for 2020)**

 - Sponsor of student TSA Organization **(State Champions for Programming**

 **Contest 2020)**

 - Sponsor of computer student clubs and HOSA Organization

 - Active member on various committees at the Indiana Academy for

 Science, Mathematics and Humanities. Committees have included

 Professional Development Committee (Chair), Curriculum Committee,

 May Term Committee, Scholarship Committee and Technology Committee.

 - Assist with the review of applicant files for the Indiana Academy.

 **- Member of the Computer Science Teachers Association (CSTA)**

 **-** 2006 – 2010 **Chairman of PAC** (Professional Affairs Committee) for the

 faculty at the Indiana Academy for Science, Mathematics and Humanities

 - Merit recipient for several years for teaching, service and scholarship at the Indiana Academy for Science, Mathematics and Humanities

**-** Outside interests include playing **tennis,** working with **dogs,** and **investments.**

**-** Church pianist, organist and keyboard player

**- 2007 Who’s Who Among Teachers**

- Former main sponsor and founder for **FIRST Robotics Team 1020,** Indiana

 Academy for Science, Mathematics and Humanities, Muncie, IN.

- Former **Executive member** of **Board of Directors** for Heritage Place of

 Indianapolis, Inc.

 - Former member of the **Indianapolis Computer Society.**

 - Former member of **COMDEX Conference Club** (VIP).

 - Completed **Academy for Community Leadership**, Henry County

 Chamber of Commerce.

- Former member of the **YMCA Programs & Activities Committee**,

 Muncie, IN.

 - Participant in the **Delaware Chamber of Commerce Mentorship Program**.

 - 1989 – 1990 **Who’s Who Among Women Executives**

 - Former member of **Sigma Iota Epsilon**, Ball State University, Muncie, IN.

 - Former member of **Toastmasters**, Muncie, IN.

 - Former member of **ACM**, Ball State University, Muncie, IN.