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### **Professional Experience**

**University of Maryland Baltimore County 2019-** Master of Computer Science Clinical Instructor faculty and creator of the MAE Computer Science Education to prepare teachers to teach computer science from K-16.

**2019- MIT Learning Lab** INSPIRE Computer Science Artificial Intelligence Fellowship:- Second year fellow at the MIT Teaching Systems Lab working on how artificial intelligence can help educators evaluate in real time responses to their teaching and areas of research. Conducting research on other AI areas related computer science education.

**2020 MDSE-** Computer Science supervisory Members, **WyCiS-** Mentoring Committee Chair, **MCCE-** Maryland Computer Science PRAXIS prep Manager, **2019- Howard County Public School -** Computer Science Education Advisory Chair **2019- MIT Learning Lab** INSPIRE Computer Science Artificial Intelligence Fellow **2019- Texas CS Task Force:** Computer Science and Cybersecurity Education **2014-2018**

**The University of Texas at Austin 2016- 2018** Computer Science Professional Development Specialist & WeTeach\_CS Google Grant Coordinator at the University of Texas of Texas at Austin. In this role train teachers on how to teach computer science and also on preparation to pass the CS certification exam. I also previously trained teachers on the UTeach AP CS Principles which I was a co-creator and worked on College board approval material for this course. Curriculum design and development specialist for many teacher materials on computer science teaching. Code.org CSP facilitator. My training work takes me across the country where we have workshops and conferences. Currently in-charge of the MCCE Computer Science Praxis II program helping Maryland/Virginia Teachers pass this Certification exam.

**Computer Science Instructor:** - Baltimore County Public School **2018-2019 Sponsor/Advisor:** FBLA, Girls Who Code, NTHS, and NSHSS

**Computer Science instructor:** - Pflugerville ISD **2017-2018 Sponsor/Advisor:** Girls Who Code, TAME, NTHS, MBK Computer Science club

**Computer Science Teacher Round Rock ISD 2010 - 2016 STEM Academy Lead** Computer Science, Engineering, and Technical education Computer science teacher for grades 9<sup>th</sup>through 12<sup>th</sup>in Computer science and Information Technology for Global Society:- Courses taught including Dual credit class from the University of Texas, IB HL/SL 1&2, AP Computer Science, IB ITGS HL/SL 1&2, Computer Science III, Independent Studies in Tech APPs ,and Project Lead The Way Computer Science and Software Engineering courses.

**CS4TX** Co-founder of CS4TX **2015** Founder for Computer Science Teacher Association of Central Texas **2008** CSTA central Texas was absorbed into CS4TX and I continue to be an active member

**Women in Computing\_WIC 2010- Present** Women in computing to address issues about women in technical fields. We offer training in Data Science, Cyber Security, Data Architecture, programming lessons and networking for women interested in computing Jobs. Direct

### **IBM 1992-2009**

#### **Software Engineer Development Manager-**

- Development of software code for systems test/debug of WebSphere software products.- Automated test case integration to streamline previously manual tests and provide real-time results via web-page and e-mail notifications, reducing test time more than 3x.- Assisted WebSphere designers to create and maintain informational pages (JSPs)

for trial software code hosting for customer testing and interaction.

**Technical Manager:** - development group, Software Developer on the San Francisco Project, used Java with J-Builder, data modeling using Rational Rose Model, Enterprise JavaBeans; developing J" Java Beans" Samples of the San Francisco project for demonstration of the usability of the projects as a GUI.

**Data Analyst- Business Support Austin, Texas** Project manager support line Data analyst for several first-line managers in the support center which included the Managers for the AIX, AIX Advanced and Microsoft support, AS400, and Linux. Queried several databases to produce the requested data on PMRs, Duration of calls and wait time for customers, Customer Satisfaction, and any other data required to measure the success of the center. Prepared data and documents for frequent internal auditors of the AIX and Microsoft call centers in Rochester, Austin, and Dallas.

**Technical Solutions Manager** TSM and Team lead of the Linux Advanced Support team at IBM Global Services. Supported several Fortune 500 customers in proactive customer service and technical support with the Linux Operating System. Managed specific accounts in technical support of SuSE and RedHat enterprise Linux in various business environments.

#### **Staff member of OS/2 BBS Administration Team.**

Served a dual role as library custodian of software fixes for the BBS, and as assistant custodian for Software Services run-time automatic operations.

Additional tools used include ProCom Plus/PC2, PassPort/2 Advantis, IBM DB/2 (SQL queries) and RETAIN (mainframe database for problem resolution tracking).

Technical Assistant to Mgr. for Planning and Strategy OS/2 Software Services/LAN Systems Support  
OS/2 Technical Support - Level 2 Subject Matter Expert. 1993 – 1995

Provided L2 support (PD/PSI) to enterprise customers running OS/2 and later OS/2 Warp Server. Proactively interlocked with the Warp Server for e-business product development team (via a temporary assignment on the System Test team) to learn new features and act as a voice of the customer during development. Used this information to train support teams on the new release via creation & delivery of custom product education.

Authored an internally distributed book -"OS/2 Warp Server Troubleshooting Demystified" - to aid support and services. **Technical Support- Austin, Texas** Team Lead- Customer Support Presale, provided presale information to a variety of IBM products which included OS/2, OS2/Warp and Lotus products. Administered the database for the calling center and made notations about customers' calls into the database. Assisted in statistics data entry for call center representative while using various databases as search tools to provide the customers with requested information

IBM Tivoli Software. 1996– 1999 Y2K

#### **EDUCATION:**

##### **University of Maryland Baltimore City 2019**

Master of Professional Studies- CyberSecurity

##### **Texas State University**

Education leadership: - Principal Certification **2016**

Masters of Secondary Education- In Computer Science **2013-2015**

TIP Computer Science certification **2009**

Bachelor of Computer Science and minor in Technology (Digital Electronics) **1991-1997**

#### **Additional information-Awards and Recognitions**

Black ComputeHer SISTAH Award **2019**

National Center for Women in Technology Educator Award **2015 & 2016**

Alpha Chi National College Honor Society **2015**

Kappa Delta Pi International Honor Society **2014**

Top 100 National Computer Science Teachers **2012**

Siemens STEM Fellow / TAME Board Member ( Texas Alliance of Minority Engineers)

ACET Board Member ( Association of Computing Educators in Texas)

CS4TX\_CSTA Vice President

Who's Who Among Students in American University & Colleges,

**1995-1996** International Study Abroad Scholastic Scholarship,

**1994 & 1995** Joan Austin School of Science Competitive scholarship,

**1993 & 1994** Certificate of Scholastic Achievement in Computer Science,

**1993** President: SWT International Students Association

**1993-1995** Member: Southwest Texas State University Student's Foundation Member:

Society of Women Engineers (SWE) Member:

IEEE Women in Engineering Member: ACM Association of Computing Machinery

Member: CSTA Computer Science Teachers Association