Laura Malavé

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Summary of Qualifications

* The ability to teach and develop computer and information technology courses, from introductory to advanced, face-to-face, online, hybrid/blended

* Able to work with students, faculty, and staff from a variety of cultural, educational, and economic backgrounds

* Demonstrated leadership skills as chair of councils/committees, and as a faculty training mentor

* Passion for Computer and Information Technology Education, with an special emphasis on cybersecurity

Areas of Expertise

o Industry Certifications:

  o CompTIA: A+ CE, Network+ CE, Server+, **Security+ CE, Cyber Security Analyst+,** Project+, Cloud+, Mobility+, Healthcare IT Technician, Cloud Essentials, Strata IT Fundamentals

  o Ec-Council: **Certified Ethical Hacker**

  o GIAC: **GSEC, GCIH, GOSI, GCLD**

  o Juniper: JNCIA-JUNOS

  o LPI: Linux Essentials

  o Microsoft Office Specialist: 2010 Master Specialist, Word 2010, Excel 2010, PowerPoint 2010, Access 2010, Outlook 2010, Word Expert 2010, OneNote 2010, SharePoint 2010, Office 365, Excel Expert 2010, Word 2013, Excel 2013, PowerPoint 2013, Outlook 2013, Access 2013, OneNote 2013, SharePoint 2013, Office 365

  o Microsoft Technology Associate: Windows Operating Systems Fundamentals, Windows Server Administration Fundamentals, Networking Fundamentals, **Security Fundamentals**, Software Development Fundamentals, Database Fundamentals

  o Microsoft: Technology Literacy for Educators

  o CIW: Web Design Professional, Web Design Specialist, E-Commerce Specialist

  o VMware Certified Associate: Data Center Virtualization, Workforce Mobility, Cloud

  o Adobe: Dreamweaver CS4

o Programming Languages: Alice, C/C++/C#, Java, JavaScript, PHP, SQL, VB, Shell Scripting, Python

o Web Design: Dreamweaver CC, Expressions Web, HTML/HTML5/CSS, Ajax

o Operating Systems: Windows 7/8, Unix/Linux, Mac OS, Server 2003/2008/2012

o Office Suites: Office 365: Word, Excel, Access, PowerPoint, Visio, SharePoint

o Educational: Blackboard, eCollege, Elluminate, Adobe LiveConnect, Desire2Learn, Angel

o Graphic Arts: Adobe CC: Photoshop, Illustrator, Premiere, Acrobat, After Effects, Audition, Flash

o Instructional Technology: Adobe Captivate, Camtasia, Articulate, SoftChalk, ProfCast, SelectSurvey

o Quality Matters: Development Facilitator, Internal/External Peer-Reviewer, Higher Ed Publisher Review, Information Technology, Computer Science, **Cybersecurity QM Subject Matter Expert**

- o Computer upgrade, repair, maintenance
- o Set up, secure, and maintain home and small business networks
- o NSA National Centers of Academic Excellence in Cybersecurity Mentor and Peer Reviewer.

Professional Experience

Academic Chair, Computer and Information Technology
St. Petersburg College, Midtown/Downtown Campuses – July 2015 – present
Lead initiative to have SPC designated an NSA CAE (Cybersecurity Center of Academic Excellence)

Developed/maintain Computer Repair Program/Lab at the Midtown Campus, and Cybersecurity Lab and Classroom at the Epicenter Campus

Course Owner: CTS1120 Network Security Foundations, CIS1358 Operating Systems Security, CGS2811 Incident Response and Disaster Recovery, CTS1314 Network Defense and Countermeasures, and CIS2352 Ethical Hacking.

Teach: CTS1120, CIS1358, CTS1314, CIS2352, COP1000 Introduction to Computer Programming, CGS1100 Computer Applications, CET1171 Computer Repair Essentials, CET1172 Computer Support Technician, CTS2940 Cybersecurity Internship, ISM4320 Core Security Principles, ISM4321 Strategic Cybersecurity Enforcement

Overseas the Cybersecurity AS and Certificate program

Develop and maintaining a quality program of instruction, provide service to the college and continuing professional development.
Interviews, recommends, mentors, and evaluates adjunct instructors

Committees: Women2STEM, Academic Assessment Sub-Committee, Academic Chairs Committee, CCIT Faculty and Chair Hiring Committees, Communications Chair Hiring Committee, Midtown Hispanic Heritage Committee, CETL Adjunct Advisory Board, Midtown Technical Support Specialist Hiring Committee

Initiatives:
NSA CAE (Cybersecurity Center of Academic Excellence) Point of Contact
Cybersecurity/Digital Forensics Club Faculty Advisor
Club placed 3rd at the Raymond James Capture the Flag Competition
Summer 2016 Delta Leadership Academy Participant
Added NetLab+ Virtual Labs and Cengage MindTap Digital Platform to CTS1120, and CIS2352
Summer Institute 2016 – SPC Academic Pathways
SPC Fall STEM Festival committee member and volunteer
Midtown QEP Ambassador

Awards:
2016 League of Innovation Excellence Awards in Teaching and Learning in the category of: Innovation in the Use of Technology. (Awarded for the addition of NetLab+ and Cengage MindTap to CTS1120 and CIS2352 to enhance the experience of online and blended learners using virtual machines, and a digital platform.)
Grants:
NSF-ATE Grant Co-PI, **Biomedical Engineering Technology - Pathways to Medical Device Manufacturing, Networking, and Cybersecurity**
SPC Innovation Grant 2016, **Digital Forensics & Cybersecurity Lab**
DOE **Pilot Program for Cyber Education Tech Upgrades for Community Colleges Initiative**

Information Technology Instructor
 Keiser University – Tampa Campus May 2011 – present
  Taught, prepared course plans and materials:
  CGS 1000 Introduction to Computers (on-ground and hybrid)
  CTS1305C Essentials of Networking (CompTIA Network+)
  CTS1328C Managing and Maintaining Server Operating System (Microsoft 70-411 Administering
  Windows Server 2012)
  CTS2106C Multi-User Operating Systems (CompTIA Linux+)
  CTS2306C Implementing a Network Infrastructure (Microsoft 70-412 Configuring Advanced Windows
  Server 2012 Services)
  CTS2153C Application Support (70-688 Managing and Maintaining Windows 8.1)
  CTS2302C Implementing Directory Services (Microsoft 70-411 Administering Windows Server 2012)
  CTS2304C Internetworking Technologies (Cisco CCENT)
  CET1171C PC Service and Support I (CompTIA A+)
  CET1172C PC Service and Support II (CompTIA A+)
  CET2350C Principles of Information Security (CompTIA Security+)
   CTS1156C Supporting Client Operating Systems (Microsoft 70-680 Windows 7, Configuring)
  COP2843 Web Systems (PHP/SQ, L)

  New initiatives implemented:
      Associates in Information Technology student population growth by 400+%
      Certiport Testing Center
      Hybrid Associates Information Technology degree
      Monthly Center for Advanced Technology guest speakers
      Monthly class fields trips to local industry partner locations
      Create/update Blackboard content for ASIT courses, and CGS1000 hybrid

  Additional duties include:
      Academic Advising
      Liaison with Information Technology community in the Tampa Bay Area
      Coordinate bi-annual ASIT Advisory Board
      Deliver Information Technology High School workshops
      Manage and maintain ASIT classroom and lab equipment
      Deliver Product Knowledge presentation for Academic Advisors
      Supervise student repair of student, staff, and faculty personal PCs and laptops
      Conduct Information Technology Industry Certification Test Preps
      Manage campus Microsoft IT Academy
      Manage CompTIA Authorized Academy Partnership
      Manage LPI (Linux Professional Institute) Academy Program
      Mentoring of Center for Advanced Technology faculty

Instructional Multimedia Developer
  University of South Florida, eTeaching & Technology Group, Tampa, Fl March 2010 – March
    2011 • Support faculty use of instructional software and technology.
    • Conduct faculty development workshops on the effective use of technology in the classroom and
        through distance learning.
    • Develop eLearning materials for faculty support in technology and teaching.

Computer Science Instructor
  Hillsborough Community College – Brandon Campus, Tampa, Florida January 2006 - May 2009

  Designed Coursework and Taught (on-ground, online, and hybrid):
      CGS 1000 Introduction to Computers & Technology CGS 2541 Database Design CGS 1550
      Introduction to Networking CGS 1555 Introduction to Internet

COP 1000 Programming Logic COP 2360 C# Programming
COP 1220 C Programming CET 1172C Computer Hardware & Repair COP 2939 Programming
Capstone OST 1100 Beginning PC Typing

Committees: Hispanic Heritage Celebration - Chair, Campus Advisory Council, Institutional Advisory
Council, Safety Committee, HCC Foundation Mini-Grant Panel

Adjunct Computer Science Instructor
Hillsborough Community College – Dale Mabry Campus, Tampa, Florida August 2003 - December 2006

Designed Coursework and Taught:
COP 2244 C++ Programming CGS 1936 Perl & CGI
COP 2344 Shell Scripting SLS 1502 College Success
CGS 1107 Introduction to Computers CGS 1000 Introduction to Computers and Technology

Teaching Assistant
University of South Florida, Tampa, Florida Summer 2001
Introduction to Computers and Programming in Basic
Training Program for International Teaching Assistants Summer 2000, 2001, 2002, and 2003

Volunteer Academic Advisor
University of South Florida's President's Academy of Advisors 2004 – 2005

Education

Ph.D. Student in Computer Science and Engineering Summer 2003 - Fall 2004 Department of
Computer Science and Engineering, University of South Florida NSF/USF IGERT-SKINS Fellow and Latino
Graduate Fellowship Recipient

Masters of Science in Computer Science Summer 2003 Department of Computer Science and
Engineering, University of South Florida Latino Graduate Fellowship Recipient and Departmental Research
Assistantship

Master's Thesis: *Silhouette based gait recognition research resource and limits.* The generation of a database
of manual silhouettes of gait sequences, an evaluation and comparison of their performance
Publications: SPIE 2004 - Manual Gait Silhouettes Creation and Gait Recognition
CVPR 2004 - Studies on Silhouette Quality and Gait Recognition

Additional Graduate Coursework: Community College in America, Seminar in College Teaching

Bachelor of Science in Computer Science - Magna Cum Laude - Spring 2001 Department of Computer
Science and Engineering, University of South Florida Honors Program Undergraduate Research Scholar
College of Engineer Dean's List University 4-year Honors Program Graduate I.E.E.E. – C.S. Webmaster
McNair Scholars Program - Class of 2000/2001 Tau Beta Pi
National Society of Collegiate Scholars

Professional Organizations:
ACM IEEE-CS Florida Association of Community Colleges (ISC)2 Tampa Tampa Bay Technology Forum
ISSA Tampa
OWASP Tampa Infragard Tampa ISACA
Tampa Bay Electronic Crimes Taskforce DefCon813
Women Who Code Tampa Bay

Professional Service:
Homeland Security Investigations Tampa Citizens Academy Class 2018
BSides Tampa Conference: Marketing Committee, and Volunteer -2015, 2016, 2017
(ISC)2 Tampa Scholarship Committee Member, 2016
Boca Ciega High School Business Education Advisory Board

Cisco Hack-a-Thon Judge – Bay Point Middle School - 2016

Community Service:

American Heart Walk Tampa – 2006, 2007, 2008
Walk to D'feet ALS – 2006
SPC MLK Day of Service – 2016, 2017
BSides Tampa Volunteer 2015- 2022