# Maria Schwartzman Webb

Curriculum Vitae

Computer Science Department DePauw University Greencastle, IN

mariawebb@depauw.edu

cell: 812-344-4561

# Education

M.S. Information Systems, The George Washington University School of Business, May 2013

B.A. Computer Science, DePauw University, May 2010

# Academic Work Experience

Part-Time Instructor of Computer Science, DePauw University, August 2023 – present

Assistant Professor of Information Systems – Educator, University of Cincinnati School of Business, August 2019 – May 2022

Instructor of Computer Science, DePauw University, August 2014 – May 2019

Graduate Teaching Assistant, The George Washington University School of Business, August 2011 – May 2013 (Head Tutor August 2012 – May 2013)

Graduate Teaching Assistant, Appalachian State University, August – December 2010

Computer Science Tutor, DePauw University, January 2007 – May 2010 (Head Tutor August 2007 – May 2010)

# Professional Work Experience

Assistant Varsity Head Coach and JV Head Coach, Women’s Soccer, Columbus East High School, Columbus, IN, June – November 2024
Systems Analyst/Programmer, Indiana University, Bloomington, IN, August 2013 – July 2014 Software Engineering Intern, The College Board, Reston, VA, May – August 2012

Software Assurance Technical Staff Member, The Aerospace Corporation, El Segundo, CA, May – August 2008/2009/2010

Statistical Consultant, DePauw University Physical Plant, Greencastle, IN, August – December 2008

# Additional University Experience

Emcee/Host/Moderator for the 29th Annual Arnoff-Schloss Memorial Lecture Series, hosted by the University of Cincinnati School of Business Operations, Business Analytics, and Information Systems department, Sept 18, 2020 (virtual event)

Member of Arnoff-Schloss Memorial Lecture Series Committee, University of Cincinnati OBAIS, July 2020 – July 2022

Member of Student Grievance Review Committee, University of Cincinnati, July 2020 – July 2022

Faculty Co-Sponsor to ACM-W/STARS/Women in Computer Science computer science groups, DePauw University, August 2014 – May 2019

Member of the Library and Academic Technology Committee, DePauw University, August 2016 – May 2018

Liaison from the Computer Science Department to the Science and Math Division, DePauw University, August – December 2016

# Honors and Awards

Received the *Elizabeth B. Adams Memorial Award*, Information Systems Department, The George Washington University School of Business, May 2013

Nominated for the *Phillip K. Amsterdam Graduate Teaching Award*, The George Washington University, May 2013

Received the *Outstanding Service to the Computer Science Department Award*, DePauw University, May 2010

Received a *DePauw University Merit Scholarship*, August 2006 – May 2010

# University Courses Taught

DePauw University (part-time 1/2 and 2/2):

* Senior Project (CSC498) –Fall 2023 (1 section remotely), Spring 2024 (2 sections remotely), Fall 2024 (2 sections remotely), Spring 2025 (2 sections remotely)

University of Cincinnati (4/4):

* Digital Tech for Business (IS2080C) – Fall 2019 (3 sections), Spring 2020 (2 sections including 1 online/Distance Learning; other section moved to remote after spring break), Fall 2020 (2 sections remotely), Spring 2021 (3 sections remotely), Fall 2021 (2 sections remotely), Spring 2022 (2 sections remotely)
* Systems Analysis and Design (IS3020) – Spring 2020 (2 sections, moved to remote after spring break), Fall 2021 (1 section remotely), Spring 2022 (2 sections remotely)
* Advanced Application Development with Java (IS4010) – Fall 2020 (1 section remotely), Spring 2021 (2 sections remotely), Fall 2021 (1 section remotely)

DePauw University (3/3):

* Introduction to Computer Science (CSC121) – Fall 2014, Spring 2015, Fall 2016, Spring 2017, Fall 2017, Spring 2018
* Data Structures (CSC122) – Spring 2015, Fall 2015, Spring 2016 (2 sections), Fall 2016, Spring 2018
* Computer Systems (CSC231) – Fall 2014, Spring 2015, Fall 2015
* Databases and File Systems (CSC480) – Spring 2017
* Senior Project (CSC498) – Fall 2015, Spring 2016, Fall 2016, Fall 2017, Spring 2018, Fall 2018, Spring 2019 (2 sections)
* Using Data Science to Win at Fantasy Football (UNIV184G) – Winter Term 2016
* Honor Scholar Sponsor to Creed Coram and Jake Bertucci (HONR401, HONR402) – Fall 2017, Spring 2018

The George Washington University (TA):

* Management Information Systems Technology Lab (BADM 2301) – Fall 2011, Spring 2012, Fall 2012, Spring 2013

Appalachian State University (TA):

* Themes in Global History: Trade, Economy, and Empires (TA for HIST1130-101/102) – Fall 2010

# Curricular Development

# University of Cincinnati, IS2080C Digital Tech for Business, January – August 2021: Entire course update for required foundational Information Systems major course taught in 250 and 75 person classes (6-10 sections each semester); created new Python labs from scratch and updated ~20 other labs (with how-to videos, instructions, and rubrics), wrote new question banks for 14 chapter tests, provided testing and input to other primary faculty stakeholder

# University of Cincinnati, IS3020 Systems Analysis and Design, March 2020: Course was completely redesigned during spring break to enable remote learning. I recorded roughly 100 short (2-15 minute) videos covering lecture materials, course examples, walk throughs of answers to practice questions, project information, exam prep, etc. I used my re-design during the rest of my time at UC.

# University of Cincinnati, IS4010 Application Development with Java, Summer 2020: Course was completely redesigned during the summer in anticipation of teaching remotely in the fall. I recorded roughly 150 short (2-15 minute) videos of lecture materials, practice question examples and answer walk throughs, post-exam answer analysis, project information, etc. I changed this course into a “flipped” classroom which was extremely successful for students, as they could spend time in class working on group projects without the need to meet separately virtually, and we could use the time to go over practice questions. I used my re-design during the rest of my time at UC.

# Academic Conferences Attended

Grace Hopper Women in Computing – October 2012 SIGCSE – March 2015; March 2021 (virtual)

INFORMS – November 2015; November 2018

Behavioral Operations Management – July 2016 Junior Scholars Workshop participant

# Professional Associations

ACM – member since February 2015

INFORMS – member October 2015 – 2017. Group memberships in INFORMS: SpORts and Women in OR/MS (WORMS)

# Interests

Academic: Databases, data analysis, higher education, finding meaningful ways to connect students with concepts in the classroom, making sure all students feel welcome and capable both in the classroom and in the field of computer science; effective remote teaching

Hobby: Sports, enjoying the outdoors, photography, astronomy/space