Pamela M. Smallwood
Associate Professor, Computer Science
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Education
Master of Science, Computer Science
Arizona State University, Tempe, AZ, 1989.

Bachelor of Science, Computer Science
University of Southern California, Los Angeles, CA, 1984.

Academic Experience
Regis University, Anderson College of Business and Computing
Associate Professor, Computer and Cyber Sciences   8/2022 – present
Assistant Professor, Computer and Cyber Sciences   6/2020 – 7/2022

Regis University, College of Computer & Information Sciences
Assistant Professor, Computer Science   6/2015 – 5/2020

Primary Courses (develop/maintain course curriculum and online course shells
used by all faculty teaching these courses, and teach sections of these courses):
CS210 Introduction to Programming (Java)
CS324 Algorithms and Analysis
CS440 Computer Organization and Architecture
CS465 UNIX Operating System

Secondary Courses (assist with course development)
CS310 Data Structures (Java)
CS338 Mobile & Enterprise Computing
CS450 Computer Networks

Research Area:
Active-learning teaching techniques (including POGIL and Peer Instruction)

Other responsibilities include helping the CS department chair and program director to:
provide departmental assistance to CS affiliate faculty while teaching, review CS courses
developed by affiliate faculty, create CS course schedules, handle CS student advising
issues, make recommendations on CS grade appeals, mentor new CS faculty, complete
ABET accreditation tasks, and serve on various Anderson college and University
committees.

Regis University, School of Professional Studies & College of Professional Studies
Assistant Professor, Computer Science   1/2000 – 5/2015

Courses taught (was also responsible for creation & maintenance of courses marked *):
CS200 Introduction to Computing
CS208 Computer Science Fundamentals*
CS361 Control Structures (C++)*
CS362 Data Structures (C++)*
CS372 Advanced Programming and Algorithms*
CS430 Operating Systems
CS437 Advanced Data Structures*

Secondary Courses (assisted with course development)
CS370 Assembly Language
CS375 Computation Theory

Additional responsibilities in regard to affiliate (adjunct) faculty: Review resumes and interview CS faculty candidates. Participate in new faculty assessments. Mentor for new CS faculty. Evaluate and approve CS faculty to teach specific courses. Assign courses to CS affiliate faculty to teach each term. Provide assistance to CS affiliate faculty while teaching, as needed. Help review CS courses developed by affiliate faculty. Help plan and conduct CS faculty development sessions and department meetings.

Other non-teaching/developement responsibilities: Create and evaluate CS course challenge exams, evaluate CS course portfolios, help the department chair keep the CS curriculum up-to-date and create the CS course schedule each term, handle CS student complaints/issues, handle CS advising issues, make recommendations on grade appeals, help with ABET accreditation tasks, manage selection of CS student graduation awards, and serve on various CPS and University committees.

Regis University, School of Professional Studies
Faculty Chair, Networking   1998 – 1999

SPS Program Chair, CS/CIS/Math   1997

Affiliate Faculty, Computer Science   1993 - 1998
Classroom courses taught:
CS200 Introduction to Computing
CS241 Control Structures (Pascal)
CS341 Data Structures (Pascal)
CS320 "C" Programming
CS422 Advanced "C" Programming

Private Contractor, *Software Instructor*   1992 – 1997
Courses taught:
MS Windows, MS Word, MS Excel, Quattro Pro and WordPerfect.

Park College, St. Louis, Missouri (extension campus, Mesa, AZ).   1991
Instructor - Pascal programming

Industry Experience
Air Force Human Resources Laboratory/Armstrong Laboratory
(Flight Training Research and Development), Mesa, Arizona
Computer Systems/Network Manager and Programmer   1985 – 1992

Responsibilities: Manage local area computer network of PCs and VAX servers, maintain all of the lab computer databases, and develop and implement site customized programs for the VAX computers. Training responsibilities included creating and conducting courses for VAX and PC users on UNIX, VAX/VMS, and word processor, spreadsheet, database, graphics & network usage.

Awards
Excellence in Teaching Award, Regis University, Anderson College   2022
Special Recognition Award, Regis University, School for Professional Studies   2004
Excellence in Teaching Award, Regis University, School for Professional Studies   2000

Reviewed Publications, Technical Reports, and Conference Presentations

Smallwood, Pam. (2021, Oct 31). Building a MIPS Single Cycle Datapath – Part 1: R-type Instructions. *POGIL Activity Clearinghouse*, 2(3), 2021.

Walther, K., Smallwood, P., & Veilleux, N. (2021). *Facilitating Collaborative Active Learning During Virtual Classes*. Poster presented at the 2021 National Conference to Advance POGIL Practice, June 28-30, 2021.

Smallwood, P., Lotfy, M., & Sanders, M. (2014). Introducing the CPU and Assembly Language concepts via a Model Assembler. In *The Journal of Computing Sciences in Colleges*, 30(2), 35–43. Presented at the Rocky Mountain Consortium for Computing Sciences in Colleges conference, Denver, CO, October 11-12, 2014.

Merrick, P. M. (1990, Sept*). Debugging Techniques Used by Experienced Programmers on their Own Code*. Air Force Technical Report (AFHRL-TR-90-45).

Merrick, P. M. (1988). *Creating Datatrieve Menus.* Presented at DEC Users Society National Conference, Anaheim, CA.

Professional Membership/Service

POGIL Activity Clearinghouse *activity reviewer*	2021 - present

Consortium for Computing Sciences in Colleges (CCSC)

Member	2005 – present
Editor, Journal of Computing Sciences in Colleges, Rocky Mountain region	2013 – present
Reviewer, Journal of Computing Sciences in Colleges, Rocky Mountain region	2015 – present
Conference site co-chair, CCSC Rocky Mtn Conference	2014 and 2016
Conference program co-chair, CCSC Rocky Mtn Conference	2015 and 2017

Association for Computing Machinery (ACM), *member*	2015 – present
ACM SIG CSE (Computer Science Education), *member*	2017 – present
NCWIT Rocky Mountain Learning Circle, *Regis representative*	2018 – 2020

Professional Symposiums and Conferences

National Conference to Advance POGIL Practice	2021, 2019
National Center for Women & Information Technology (NCWIT) Summit on Women and IT	2021, 2018
ACM Technical Symposium on CS Education (SIGCSE)	2021, 2019, 2017, 2006
Consortium for Computing Sciences in Colleges (CCSC), Rocky Mountain Conference	2021, 2018–2016, 2014–2013, and 2006–2005
AJCU Faculty Conversations Conference	2018
Colorado Computer Science Educators Conference (ColCSE)	2016
Ignatian Summer Institute (ISI)	2015
ACM Celebration of Women in Computing regional conference	2008, 2005
Consortium for Computing Sciences in Colleges (CCSC), Eastern Conference	2004, 2006

Training and Workshops

POGIL Writer's Workshop	2022
Creating Multimedia Interactions and Learning Experiences	2021
REMOTE The Connected Faculty Summit	2020 and 2021
D2L Fusion Conference	2021
Wiley Publishers Wicked Summer Camp	2021

Cengage Virtual Computing Experience Conference	2020
Regis Zoom Users Virtual Conference	2020
Regis Online Faculty Engagement Training	2020
Using VoiceThread in D2L Training	2020
Increasing Women In Computer Science & Engineering Majors	2017
SWE Role Models Matter Training (STEM)	2016
Regis Ignatian Institute	2015
Writing Better Test Questions workshop	2015
Collaborative Peer Observations seminar	2015
Critical Thinking and the Adult Learner	2012
Quality Matters training	2012
Writing Outcomes seminar	2012

Regis University Service

Anderson Academic Integrity Board	2021 – present
Provost's Council	2020 – 2022
Anderson College Faculty Forum Co-chair	2020 – 2022
CC&IS Ethics Committee	2020
CC&IS Academic Council	2017 – 2019
Course Development Process and Quality Improvement Task Force	2017 – 2018
Learning Assurance – Faculty Task Force	2015 – 2017
CPS Online Faculty Observation Development Team	2012 – 2013
SCIS Capstone Assessment and Revision Committee	2012 – 2014
Learning Design testing team for D2L migration	2011 – 2013
SHSS Dean's Search Committee	2011 – 2012
CPS Faculty Council	2010 – 2014
CPS Blended Learning Implementation Task Force Committee	2010 – 2011
Sloan Blended Learning Committee	2009 – 2010
CPS Faculty Advisory Committee	2009 – 2010

Community Service

Special Olympics Tennis volunteer coach	2019 – present
Introductory Programming workshop for Northglenn High School Go Engineering day	2016
Longmont Open Tennis Tournament, volunteer	2012 – 2014
Boulder Community Food Share, crew leader	2006 – 2015
Longmont High School booster club, photographer/writer	2010 – 2011