

MARIA CRISTINA (CRISTY) CHARTERS

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Professional Summary

Computer Programming Professor with over 20 years of experience teaching. Understands the learning process, adapts to different learning styles, and uses a variety of teaching methods.

Skills

- Active Learning* instructor, fostering a positive, hands-on learning environment
- Manager of Learning Assistants for classroom instruction
- Advocate for spreading Computer Science education in K-12, training teachers in CS curriculum

Work History

Instructor

08/2014 to Current

Florida International University – Miami, Florida

Teach introductory and lower level courses in Computer Programming, including Java, Alice 3, Python, MIT App Inventor.

Serve on Instructor Hiring and Undergraduate Curriculum college committees. Develop and deliver "active learning" lectures to undergraduate students, using the Learning Assistant (LA) model. Advise and mentor undergraduate students in a community outreach program to teach coding to 4th and 5th grade students in neighboring elementary schools.

Teacher/Trainer

08/2011 to 08/2014

Instructional Technology Department – Miami-Dade County Public Schools

Trained teachers on the use of current technologies to facilitate learning in the K-12 classroom. These technologies included Edmodo, robotics and coding, and tablet use in the classroom.

Teacher of Computer Science

10/1997 to 08/2011

Ferguson Senior High, Felix Varela Senior High, Hammocks Middle School – Miami-Dade County Public Schools

Taught courses in Computer Programming including Visual Basic, C, Java, and AP Computer Science. Served as Computer Club Sponsor, mentoring students after school to build and program robots using VEX and Lego Mindstorms.

Computer Programmer/Analyst

08/1982 to 10/1997

Florida Power and Light Company (FPL) – Miami, Florida

Led a group of computer programmers in the design and development of client/server-based software solutions. Wrote COBOL and Smalltalk applications in a client/server architecture. Trained 2 groups of newly hired college graduates, in a program called Entry-Level Training of Programmers (ELTOP), to transition them into the FPL-way of developing mainframe applications, as well as testing, debugging, and implementing them into production.

Education

Master of Science: Computing Technologies in Education, graduated with Honors, 2000

Nova Southeastern University - Miami, Florida

Bachelor of Science: Computer Science, graduated with Honors, 1982

Florida International University - Miami, Florida