

Eliana Valenzuela-Andrade

Eliana holds a doctoral degree in Computing, Information Sciences and Engineering, a Masters in Engineering Management Systems from the University of Puerto Rico, Mayagüez Campus and a BS in Industrial Engineering from the Universidad de los Andes, in Bogotá, Colombia.

She has nearly ten fifteen of teaching experience and four eight of research experience. The research areas of Dr. Valenzuela-Andrade are Database Management System, Educational Robotics, Swarm Robotics Outreach for STEM careers, among others.

In the past eight years, she has been interested in innovative tools to motivate young people to explore CS topics before and during the college and encourage them to continue a career in this discipline. She had participated in projects of this type with ISMuL and LASED at UPR-Arecibo at precollege (4-12) and undergraduate level. Some of the tools she has been used are: robotics (using Lego Mindstorms®, TETRIX® and VEX®), computing without Computers, Scratch, SNAP Alice 3, among others. She is part of Latinas in Computing, CCCE, FemProf and CAHSI.

She enjoy to learn about computing relevant topics as cyber-security, internet governance, network communications, behind others.