

Carmen Mosquera

Mathematics & Computer Science Educator · Bilingual (Spanish/English) · Orlando, FL

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Summary

Bilingual educator with more than four years of classroom experience teaching mathematics to grades 6–11, from algebra and geometry through trigonometry and calculus. Named Teacher of the Month for making math clear and approachable for students. Software developer with a B.S. in Computer Science (3.9 GPA) who has designed and published apps on the App Store and Google Play, including an educational app that prepares immigrants for the U.S. citizenship interview. Brings real-world programming, problem solving and technology to math and computer science classrooms, and connects easily with Spanish-speaking students and families.

Teaching Experience

Mathematics Teacher, Grades 6–11 · Colegio Alemán de Cali

Cali, Colombia · 2004 – 2009 · dscale.edu.co

- Taught Algebra, Geometry, Trigonometry and Calculus to middle and high school students, grades 6 through 11.
- Led daily instruction five days a week for classes of about 20 students each.
- Named Teacher of the Month (2007) after students and parents praised my ability to make math easy to understand.

Technology Experience

Founder & Software Developer · Agubit Technologies Inc.

Orlando, FL · 2024 – Present · agubit.com

- Built a citizenship-interview prep app for an immigration law firm that teaches civics and English through reading, writing and speaking practice.

- Designed, built and published The Days We Keep, a subscription family-memory app on the App Store and Google Play, in English, Spanish and Portuguese (thedaystokeep.com).
- Built AI-powered content tools in Flutter, Python and Next.js that plan and publish social media for two brands.
- Delivered web and app projects for local clients, including an e-commerce store, a grocery inventory system and a point-of-sale system.

Process Guide · Amazon Air

Lakeland, FL · 2023 – Aug 2026

- Trained and supported team members on internal systems and tools.
- Analyzed operational data and supported process improvements and system diagnostics.

Flow Control Room Analyst · Amazon Air

Lakeland, FL · 2022 – 2023

- Wrote a Python tool that processes about 35,000 package records in 15 minutes, replacing a 4-hour manual process.

Tech Consultant Team Lead · Target

Orlando, FL · 2018 – 2022

- Led the electronics tech team and advised customers on phones, computers and other devices.

Education

B.S. in Computer Science · Southern New Hampshire University · January 2025 · GPA 3.9

Relevant coursework: Data Structures & Algorithms, Software Engineering, Web Development, Databases, Computer Networks.

Coursework in Mathematics · Universidad del Valle, Cali, Colombia

Skills

- **Mathematics:** Algebra, Geometry, Trigonometry, Calculus (grades 6–11)
- **Computer science:** Python, Java, JavaScript/TypeScript, Dart/Flutter, SQL, HTML/CSS, app and web development, algorithms and data structures
- **Technology in learning:** Educational app design, AI tools, mobile and web apps
- **Languages:** Spanish (native), English (fluent)