

# Karen W. Wells

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## Professional Summary:

Experienced Secondary Mathematics Teacher looking to explore learning opportunities in the Data Science Field.

## Technical Skills/Certifications:

- Microsoft Office Suite
- Github
- New York State Master Teacher – Mathematics 2016
- National Board Certified Teacher – AYA Mathematics 2012
- New York State Permanent Certification in Mathematics 7 – 12 2007
- SUNY University in the High School Certified Pre-Calculus Teacher

## Education:

- CanCode Communities: *Python for Data Analysis Certification* 2022
- Stanford University's YouCubed: *Intro to Data Science Course* 2021
- Stanford University's YouCubed: *21<sup>st</sup> Century Teaching and Learning: Data Science* 2021
- **Master of Arts in Teaching Secondary Mathematics** 1998  
Union College, Schenectady, NY  
Master's Project: "Gender Issues in Math Class -An Update/Debate"
- **Master of Science in Mechanical Engineering** 1986  
Virginia Tech, Blacksburg, VA  
Master's Thesis: "Experimental Investigation of Nighttime Losses from Integrated Collector/Storage Solar Domestic Hot Water Systems"
- **Bachelor of Science in Mechanical Engineering** 1984  
Clarkson University, Potsdam, NY

## Experience:

- **Secondary Mathematics Teacher** 2004 - Present  
Shaker High School, Latham, NY
  - Spearheaded the introduction of a new high school course as an alternative to Algebra 2: Introduction to Data Science. Launch: September 2022. NCAA Certified.
  - Currently instructing Algebra 2 Honors, Pre-Calculus, Algebra 2 Stretch
- **Algebra 2 (A2) Education Specialist** 2019 – Present  
New York State Education Department, Albany, NY
  - A2 Regents Examination Preparation/Technical Review
  - Rangefinding A2 Field Tests to develop future question bank
- **General Electric Company** 1986 – 1995  
Schenectady, NY
  - *Evaluation & Analysis, Application Engineer* 1994 – 1995
  - *Project Engineering, Project/Application Engineer* 1992 - 1994
  - KAPL, Inc: *Human Resources, Specialist/Professional Staffing* 1991 - 1992
  - KAPL, Inc: *Prototype/Ship Reactor Safety Engineer* 1986 - 1991