

Maria Roch

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Education

Florida Institute of Technology, Melbourne, FL.

B.S. - Applied Mathematics

Aug 2019 – Dec 2023

- Applied Area: **Computer Science**
- **GPA 3.68** over 66 credits
- Panther Distinguished Scholar (Full Merit Scholarship)
- Phi Eta Sigma National Honor Society; Dean's List

Indian River State College, Fort Pierce, FL.

A.A. - Mathematics

Aug 2015 – Aug 2019

- **GPA 3.97** over 116 credits (dual-enrolled from 9th-12th grade)
- 2019 **All-Florida Academic Team (top 0.02%** of students enrolled in 2 year colleges throughout Florida)
- Phi Theta Kappa International Honor Society; President's and Dean's List

Experience

Royal Caribbean Group, Miramar, FL.

Cybersecurity / Data Analysis Intern

May 2023 – Aug 2023

- Learn Python, Excel, and Power BI. Use Power BI to illustrate security trends

Indian River State College, Fort Pierce, FL.

Math Tutor

March 2024 - Present

ASC Peer Tutor

May 2018 – Aug 2019

- Tutor in IRSC's Math Lab and Academic Support Center (mainly for calculus), and assist in algebra classrooms

Self-Employed, Sebastian, FL.

Private Tutor

Sep 2018 - Present

- Tutor children and adults in a variety of subjects (off and on)

Coursework and Skills

Discrete Math (graduate-level)
Set-Valued Analysis Research
Models in Applied Math
Real Analysis
Complex and Numerical Analysis
Optimization
Linear Algebra, Abstract Algebra
Probability / Statistics w Calc.
Partial Differential Equations
Ordinary Differential Equations
Physics w Calc. I-II
Calculus I-III, Pre-calculus
Trigonometry, Geometry, Algebra

HTML, CSS / Bootstrap
JavaScript / JSX / React
C/C++, Python
Pandas / Jupyter Notebook
Bash Scripting, Linux
SQL
Power BI, Tableau
Excel / Microsoft Office
WordPress
MATLAB, R, LaTeX, Creo
Parallel Processing
Scientific Computing
Computer Organization

Spanish, Italian, Latin, Sign Language
CPR Certified
Technical Communication
Public Speaking
90 WPM Typing Speed
Micro / Macro Economics
Psychology of Personality
Piano, Kalimba, Voice, Music Theory
Digital Art, Sketching
Chemistry I – II, Biology I - II
Anatomy & Physiology I
Philosophy of Science

Extracurriculars

Florida Institute of Technology

- FITSEC (Cybersecurity Team) – Participated in Big Brother CTF
- CPFIT (Competitive Programming Team) – Participated in ICPC (Southeast Regionals)
- AMS (American Mathematical Society)

Indian River State College

- Emerging Leaders Program, 44th Annual Student Leadership Conference
- Delta Mu Epsilon Math Club (President, formerly Vice President)

425+ Volunteer Hours

Environmental Learning Center

- Summer Camp Counselor, Touch Tank Volunteer