

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, Academic Support Center (ASC), and classrooms, for Algebra, Calculus, etc.

Self-Employed, Sebastian, FL.

Private Math Tutor

Sep 2018 - Present

- Tutor children and adults (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
Excel / Microsoft Office
Word / PowerPoint
Power BI, Tableau, SQL
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
Accounting I

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