

Maria Roch

Phone: (772) 713-4095

Email: yosoylight6@gmail.com

Website: mariaroch.github.io

Education

Florida Institute of Technology, Melbourne, FL.

B.S. - Applied Mathematics (Graduating Dec. 2023)

- Applied Area: **Computer Science**
- **GPA 3.64** over 60 credits
- Phi Eta Sigma National Honor Society; Dean's List
- Panther Distinguished Scholar (full merit scholarship)

Indian River State College, Fort Pierce, FL.

A.A. - Mathematics

- **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

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

C/C++
Python
Power BI, Tableau
SQL
Excel / Microsoft Office
HTML, CSS, JavaScript
Wordpress
MATLAB, R, LaTeX
Bash Scripting
100 WPM Typing Speed
Parallel Processing
Scientific Computing
Computer Organization

Spanish, Italian, Latin, Sign Language
CPR Certified
Technical Communication
Public Speaking
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

Experience

Royal Caribbean Group, Miramar, FL.

Cybersecurity / Data Analysis Intern

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

Mathnasium, Vero Beach, FL.

Instructor

Indian River State College, Fort Pierce, FL.

ASC Peer Tutor

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

Extracurriculars

Florida Institute of Technology

- FITSEC (Cybersecurity Team)
- AMS (American Mathematical Society), CPFIT (Competitive Programming Team)
- Swing Dance

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