

# Maria Roch

Phone: (772) 713-4095

Email: [yosoylight6@gmail.com](mailto:yosoylight6@gmail.com)

Website: [mariaroch.github.io](http://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

*Self-Employed, Sebastian, FL.*

**Private Tutor**

- Tutor children and adults in a variety of subjects

*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