

# 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**

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, JavaScript  
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