

# Amina Farouk

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## EDUCATION

### Bachelor of Science in Mathematics and Bachelor of Arts in Economics

*Saint Michael's College* | Colchester, VT | Expected Graduation: May 2029

- **Honors:** Pi Mu Epsilon (National Mathematics Honors Society); Omicron Delta Epsilon (International Economic Honors Society); Delta Epsilon Sigma (National Catholic Honors Society)
- **Academic Achievements:** Honors Program (Fall 2025 – Present); Dean's List (Fall 2025 – Present)

**SKILLS:** Microsoft Office, Maple, R, SPSS, VBA, Java, InterSystems Caché, KB SQL

## RESEARCH EXPERIENCE

### “Determinants of Wage Inequality in the US Labor Market” | *Macroeconomic Theory Senior Project*

Colchester, VT | August 2028 – Present

- Conduct regression analysis on wage inequality using SPSS and publicly available datasets.
- Apply macroeconomic theory to interpret labor market patterns, income distribution trends, and policy implications.
- Will present final analytical findings as part of Senior Capstone Project in both written and visual formats to support evidence-based economic conclusions.

### “Cross-Cultural Perspectives on European Fiscal Policy and Labor Mobility in the EU” | *Study Abroad Program, University of Limerick*

Limerick, Ireland | January 2028 – May 2028

- Conducted in-depth coursework on international economic systems, EU monetary structures, and applied mathematical modeling.
- Performed comparative analyses of labor market indicators, including employment elasticity, wage trends and migration flows across multiple EU member states
- Collaborated with international peers to produce and present cross-cultural research, integrating diverse perspectives on European economic integration and labor mobility.

## PROFESSIONAL EXPERIENCE

### IT Intern | *ECHO Leahy Center for Lake Champlain* | Burlington, VT | Summer 2026

- Supported IT operations and helped optimize technology workflows for ECHO's visitor services and organizational systems.
- Assisted with diagnosis code documentation and escalations in help desk support.
- Designed and coded small IT tools and training materials; developed internal educational webinars.

## LEADERSHIP EXPERIENCE

### Academic Peer Tutor | *Saint Michael's College Peer Tutoring Program* | Colchester, VT | Fall 2026 – Present

- Support students in teaching macroeconomics and introductory calculus concepts including limits, derivatives, integrals, and applications.
- Conduct in-person tutoring sessions for students, providing individualized guidance and problem-solving strategies.
- Monitor student progress and provide feedback to support academic success and enhance understanding.

### Student Athlete | *Saint Michael's College Women's Soccer Team* | Colchester, VT | Fall 2025 – Present

- Collaborate with teammates to achieve team goals both on and off the field
- Support and participate in community outreach and college events representing the team
- Develop teamwork, time management, and communication skills through consistent practice and competition.

## WORK EXPERIENCE

### Shift Manager and Cashier | *Beach View Inn & Market* | Hampton, NH | Summers 2024 – Present

- Lead daily store operations, supervising 2-5 staff and ensuring efficient customer service.
- Apply strong numerical accuracy while managing cash/credit transactions, balancing registers, and preparing deposits.
- Utilize organizational skills to oversee inventory, restocking, and vendor deliveries.