

Jack Schiavo

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EDUCATION

Saint Joseph's University, Philadelphia, PA

Expected Graduation: June 2027

Bachelor of Science in Physics and Quantitative Economics

Minor: Mathematics

Relevant Coursework: Calculus I–III, Quantum Mechanics, Modern Physics, Nuclear Physics, Linear Algebra, Differential Equations, Numerical Analysis, Economic Theory

EXPERIENCE

RestaurQuant, restaurquant.com

Founder & Developer | 2026 – Present

- Built and launched a subscription SaaS analytics platform giving independent restaurant owners real-time P&L visibility (food/labor cost %, prime cost, margin by menu item) and financial insight by integrating directly with Toast and Square POS systems
- Designed tiered subscription pricing and launched live Stripe billing, generating real recurring revenue from paying customers

Physics Wonder Girls Camp, Philadelphia, PA

Camp Mentor | June 2024 – June 2026

- Led hands-on experiments and demonstrations on renewable energy systems (solar, wind, nuclear) in a Constellation Energy-funded STEM program
- Explained concepts such as energy generation, efficiency, and sustainability to high-performing students
- Facilitated group problem-solving and guided students through experimental activities

Ventnor City Board of Education, Ventnor City, NJ

Substitute Teacher | March 2025 – Present

- Teach across K–8 classrooms, adapting quickly to new subjects and environments

Tideline, Margate, NJ

Food Runner | May 2025 – Present

- Operate in a high-volume, fast-paced environment requiring efficiency and coordination
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LEADERSHIP & ACTIVITIES

Research Assistant | 2024 – Present

- Conduct research in quantum computing, superconductivity, and helium-3 systems under the supervision of Roberto C. Ramos
- Study quantum annealing methods and their applications to optimization problems
- Analyze experimental and theoretical data related to low-temperature quantum systems
- Assist with literature reviews, data interpretation, and development of research presentations

Society of Physics Students

President | 2025 – Present

- Lead chapter activities including professional development events and student outreach
- Write and distribute weekly newsletter to students and faculty

Treasurer | 2024 – 2025

- Managed finances and coordinated fundraising initiatives

Teaching Assistant – Physics Labs | 2023 – Present

- Assisted in labs focused on renewable energy and power systems, supported by Constellation Energy
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Academic Projects

Comparative Study between the methods of IonQ and Q-Wave

- Analyzed differences between trapped-ion quantum computers and quantum annealing systems
- Evaluated strengths and limitations of each architecture through scientific literature review

Theoretical Helium-3 Production

- Investigated proposed methods for helium-3 production and extraction and examined applications in low-temperature physics, cryogenics, and quantum technologies

Automated Solar-Tracking System

- Designed and constructed a solar tracking system that uses photoresistors to detect sunlight intensity and adjust panel orientation accordingly
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Skills

Technical: Excel, Data Analysis, MATLAB

Energy Knowledge: Renewable Energy Systems, Photovoltaics, Energy Efficiency

Other: Effective Written & Verbal Communication