

# Taheem Khan

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## EDUCATION

### **Stony Brook University**

Bachelor of Science in Applied Math and Statistics,  
Double Major in Economics

**Stony Brook, New York**

*Expected May 2027*

GPA: 3.62

*Relevant Coursework: Applied Linear Algebra, Intermediate Macroeconomic Theory, Intermediate Microeconomic Theory, Industrial Organization, Multivariable Calculus, Public Finance, Survey of Probability and Statistics*

## PROFESSIONAL EXPERIENCE

### **Ridgetop Research LLC**

*Research Analyst Intern*

**New York, New York**

*June 2025 - August 2025*

- Conduct in-depth industry research to source and evaluate ~100 qualified experts, primarily from technology companies such as Seagate and Western Digital, aligning professional backgrounds with client due diligence requirements.
- Manage end-to-end outreach, including personalized messaging, cold calling, and scheduling, facilitating 25+ expert-client conversations that provide critical insights for investment decisions in the tech sector and related industries.
- Authored 25+ detailed expert bios summarizing each individual's career experience, relevance, and expertise, and maintained an organized Excel tracker to monitor outreach progress, lead status, and project milestones.

### **Stony Brook University - Department of Applied Mathematics and Statistics**

*Undergraduate Research Assistant*

**Stony Brook, New York**

*August 2025 - Present*

- Collaborating with Professor Hyun-Kyung Lim on computational fluid dynamics (CFD) research involving multiphase turbulent mixing and fluid interface instabilities across both compressible and incompressible flows.
- Utilizing parallel computing methods to accelerate numerical simulations by up to 40%, improving efficiency in modeling instability problems.
- Working with advanced mathematical models, including forms of the Navier-Stokes equations, to analyze and interpret high-resolution simulation data for sharp interface tracking methods.
- Contributing to the development of numerical algorithms intended for applications in aerodynamics, energy systems, and environmental modeling.

### **Stony Brook University Campus Residences**

*Resident Assistant*

**Stony Brook, New York**

*August 2025 – Present*

- Provide direct support and guidance to a community of 15+ undergraduate residents, promoting an inclusive, respectful, and academically focused living environment.
- Develop, coordinate, and lead 4+ community-based programs each semester focused on diversity, equity, and inclusion (DEI), civic engagement, academic and career success, and holistic wellness.
- Fulfill 12-hour and 24-hour on-call shifts throughout the semester, responding to incidents, emergencies, and resident needs in a residential building housing over 600 students.

## SKILLS

**Computer:** Python, HTML, CSS, Google Workspace, Microsoft Office

**Language:** Fluent in English and Bangla