Computational Methods in High Performance Computing with Applications to Computational Sciences
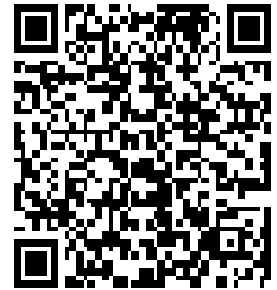

The Computer Science Departments of The College of Staten Island (CUNY) and Hunter College (CUNY) and with technical support from CUNY's High Performance Computing Center, will provide support for a 3-year REU Site, in Computational Methods in High Performance Computing with Applications to Computational Sciences. The REU Site recruits nine undergraduate students for a ten-week summer experience. The students undertake challenging problems with their mentors in different research fields of computer science and related fields (e.g., Computational Vision, Computational Biology and Chemistry, Cyber Security, Deep and Machine Learning, Sensor Networks, Complex System Modeling and Simulation, etc.) that require parallel processing programming techniques to be solved. Emphasis is placed on recruiting students from colleges and universities that offer limited STEM research opportunities, such as Minority Serving Institutions.

- Application Deadline: Extended to March 20, 2024
- Decision notification: April 10, 2024.
- Student acceptance letter: April 20, 2024.
- Program begins: May 31, 2024, ends August 1, 2024

- **10-week summer undergraduate research program.**
- **$6,000 stipend, up to $500 for travel expenses, with lodging and meals provided.**
- **Field trips and social activities in New York City.**

Eligibility

- **US Citizen or Permanent Resident.**
- **GPA of 3 or above.**
- **STEM Major.**
- **Preferably student has taken a course and Analysis of Algorithm and another in Data Structures.**