

RESEARCH PATHWAYS

COMPUTER SCIENCE

Undergraduate research is a cornerstone of our mission at Rutgers-Camden. Our goal is to provide as much support as possible for you to have a successful research experience.

Need funding for a research project or conference travel experience?



We encourage you to visit go.rutgers.edu/ugrants to see what funding opportunities are available. Currently, you can receive up to \$500.00 to offset research expenses and conference travel expenses.

Looking for a research project?



If you know you want to get involved in research, but are unsure of where to start, visit go.rutgers.edu/curca-hub to view by subject area and keyword the different research projects seeking computer science majors. Current projects listed on the hub include:

- » "Distributed Computing and Evolutionary Games," with Dr. Sunil Shende (shende@camden.rutgers.edu)
- » "Large-scale genome analysis," with Dr. Andrey Grigoriev (agrigoriev@camden.rutgers.edu)
- » "Computational materials for energy and sustainability" with Dr. Hong Fang (hong.fang@rutgers.edu)

cs.camden.rutgers.edu

Unsure if you are research-ready?

To be research-ready, computer science majors should take the following courses: 50:198:111 Programming Fundamentals, 50:198:171 Mathematical Foundations of Computer Science, 50:198:113 Object-Oriented Programming, and 50:198:213 Data Structures.

Who are the faculty? What do they research? What are their interests?

- » Dr. Iman Dehzangi (i.dehzangi@rutgers.edu): Machine learning, deep learning, artificial intelligence, bioinformatics, computational biology
- » Dr. Rajiv Gandhi (rajivg@camden.rutgers.edu): Approximation algorithms, randomized algorithms, computational geometry
- » Dr. Guy Kortsarz (guyk@camden.rutgers.edu): Approximation algorithms, randomized algorithms
- » Dr. Desmond Lun (dslun@rutgers.edu): Computational biology
- » Dr. Michael Palis (palis@camden.rutgers.edu): High-performance computing, parallel programming environments, parallel and distributed algorithms
- » Dr. Suneeta Ramaswami (rsuneeta@camden.rutgers.edu): Computational geometry and applications, mesh generation, computational statistics
- » Dr. Sunil Shende (shende@camden.rutgers.edu): Online algorithms, combinatorial optimization, big data algorithms

