

# 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.**

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**Need funding for a research project or conference travel experience?**



We encourage you to **visit [go.rutgers.edu/ug-grants](http://go.rutgers.edu/ug-grants)** 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](http://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](mailto:shende@camden.rutgers.edu))
- » "Large-scale genome analysis," with Dr. Andrey Grigoriev ([agrigoriev@camden.rutgers.edu](mailto:agrigoriev@camden.rutgers.edu))
- » "Computational materials for energy and sustainability" with Dr. Hong Fang ([hong.fang@rutgers.edu](mailto:hong.fang@rutgers.edu))

[cs.camden.rutgers.edu](http://cs.camden.rutgers.edu)



**RUTGERS–CAMDEN**  
**College of Arts and Sciences**

**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](mailto:i.dehzangi@rutgers.edu)): Machine learning, deep learning, artificial intelligence, bioinformatics, computational biology
- » Dr. Rajiv Gandhi ([rajivg@camden.rutgers.edu](mailto:rajivg@camden.rutgers.edu)): Approximation algorithms, randomized algorithms, computational geometry
- » Dr. Sheikh Islam ([sheikh.islam@rutgers.edu](mailto:sheikh.islam@rutgers.edu)): Explainable and fair artificial intelligence for cybersecurity, social good, health informatics
- » Dr. Guy Kortsarz ([guyk@camden.rutgers.edu](mailto:guyk@camden.rutgers.edu)): Approximation algorithms, randomized algorithms
- » Dr. Desmond Lun ([dslun@rutgers.edu](mailto:dslun@rutgers.edu)): Computational biology
- » Dr. Michael Palis ([palis@camden.rutgers.edu](mailto:palis@camden.rutgers.edu)): High-performance computing, parallel programming environments, parallel and distributed algorithms
- » Dr. Suneeta Ramaswami ([rsuneeta@camden.rutgers.edu](mailto:rsuneeta@camden.rutgers.edu)): Computational geometry and applications, mesh generation, computational statistics
- » Dr. Sunil Shende ([shende@camden.rutgers.edu](mailto:shende@camden.rutgers.edu)): Online algorithms, combinatorial optimization, big data algorithms

