

# 2024 DUKE UNIVERSITY



## DEPARTMENT *of* COMPUTER SCIENCE **BY THE NUMBERS**



# COMPUTER SCIENCE PROGRAMS 2024

## Undergraduate

**448**

CS majors graduated in 2024



## Graduate

**105** enrolled in **PhD** in CS

**151** enrolled in **MS** in CS

**48** enrolled in **MS** in Economics & Computation

# FACULTY AND RESEARCH

**42** Primary Faculty

**30** Secondary Faculty

Research Areas [cs.duke.edu/research](https://cs.duke.edu/research)

- Artificial Intelligence
- Computation + X
- Computer Science Education
- Data Science
- Systems
- Theoretical Computer Science

## NEW CS FACULTY



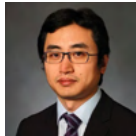
**Monica Agrawal**  
(2024) *Machine Learning/Natural Language Processing (NLP)*



**Eric Fouh**  
(2024) *Computer Science Education*



**Kristin Stephens-Martinez**  
(2024)  
*Associate Professor of the Practice*



**Danfeng Zhang**  
(2024)  
*Associate Professor*

## PROMOTIONS

## FACULTY RETIREMENT



**Professor Alvin Lebeck** retires after nearly 29 years in service to the department.



**Cynthia Rudin** named Gilbert, Louis, and Edward Lehrman Distinguished Professor.

# THE FACULTY

For more information about our faculty and their achievements, visit [cs.duke.edu/people/faculty](https://cs.duke.edu/people/faculty).

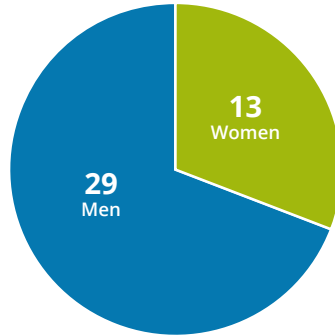
## FACULTY BY THE NUMBERS

### 42 Primary Faculty

By track/rank:



By gender:



## FACULTY DISTINCTIONS

- 6** Association for Computing Machinery (ACM) Fellows
- 3** Institute of Electrical and Electronic Engineers (IEEE) Fellows
- 2** American Association for the Advancement of Science (AAAS) Fellows
- 2** Guggenheim Fellows
- 2** Cultural Competence in Computing (3 C) Fellows
- 2** Association for the Advancement of Artificial Intelligence (AAAI) Fellows

- 1** Institute of Mathematical Statistics Fellow
- 1** American Statistical Association Fellow
- 1** Institute of Combinatorics and Its Applications Fellow
- 1** Alfred P. Sloan Fellow
- 3** Sloan Foundation Research Fellowships
- 14** National Science Foundation (NSF) Career Awards

## NEW FACULTY ROLES



**Jian Pei**  
(2023)  
*Chair of the Department of Computer Science*



**Kristin Stephens-Martinez**  
(2024)  
*Associate Director of Undergraduate Studies*



**Brandon Fain**  
(2024)  
*Summer CS+ Program Director*



**Nicki Washington**  
(2023)  
*Cue Family Professor of the Practice of Computer Science*



**Rong Ge**  
(2024)  
*Cue Family Associate Professor of Computer Science*

# THE UNDERGRADUATE EXPERIENCE



For more information, visit [cs.duke.edu/undergrad](https://cs.duke.edu/undergrad)

## PROGRAM FACTLETS

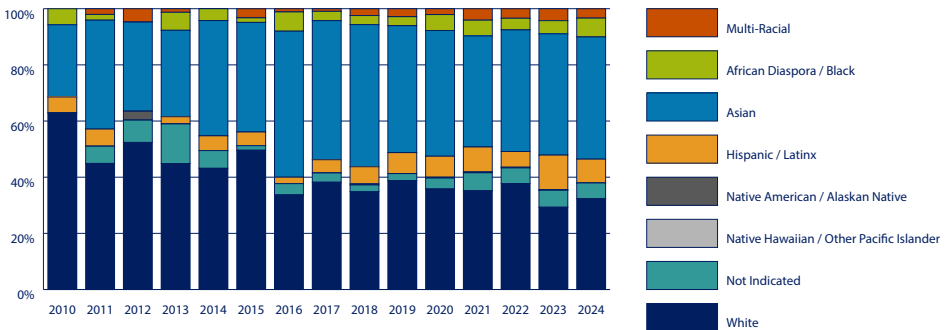
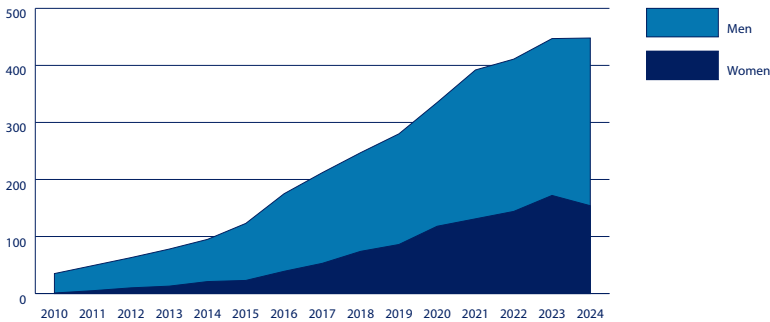
**Graduated in 2024**      **448** CS majors      **97** CS minors

### Flexible Pathways:

- **Major concentrations:** AI/ML, Data Science, Software Systems
- **Interdepartmental majors:** Data Science + Math or Statistics; Linguistics + CS or Visual & Media
- **Minors:** CS, AI: Applic. & Implic., Comp Biology/Bioinformatics
- **MS in CS 4+1 Program:** MSCS in 5 yrs
- **Most popular double majors with CS:** 1) ECE, 2) Econ, 3) IECP (Innovation & Entrepreneurship Cert), 4) Statistics, 5) Math
- **Most popular minors to go with CS:** 1) Econ, 2) Psych., 3) Asian & Mid. East. 4) Statistics, 5) Visual & Media Studies
- **Most popular majors with CS minor:** 1) Econ, 2) Mech. Eng., 3) ECE, 4) Public Policy, 5) Biology AND Physics

## DEMOGRAPHIC TRENDS

### CS Degrees Awarded by Year:



## BEYOND THE CLASSROOM

### 83 CS majors participated in 2024 Summer Plus Programs

- CS+ research projects in the CS department
- Code+ software development projects with Office of Information Technology
- Data+ Interdisciplinary data science projects with the Rhodes Information Initiative at Duke

### 538 Women majoring in CS are currently DTech Members

- DTech (Duke Technology Scholars Program) empowers the next generation of diverse leaders
- 1,308 women participated in DTech since its founding in 2016

### 15 Student clubs and organizations include:

- Women in Technology
- HackDuke
- Duke Applied Machine Learning
- Catalyst
- Duke Association for Business Oriented Women (BOW)

More at [cs.duke.edu/undergrad/organizations](https://cs.duke.edu/undergrad/organizations)

### All CS majors are welcome in the CS Student Union.

“The more kinds of minds that can be brought to computer science—in terms of age and gender, background and experience—the better off we’ll all be.”

— Jian Pei, Duke Computer Science Chair



## UNDERGRADUATE AWARDS 2023-2024

### 8 Graduation with Distinction Awards

### 4 Computing Research Association (CRA) Awards for Undergraduate Research:

4 Honorable Mentions: Harry Chen, Michelle Qiu, Dennis Tang, Frank Willard

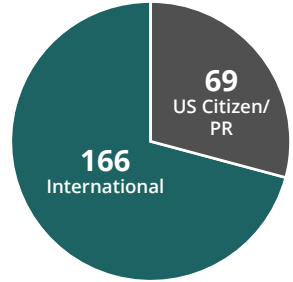
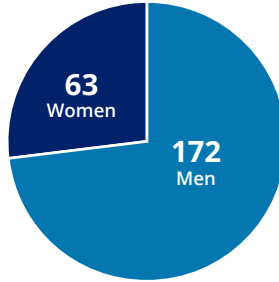
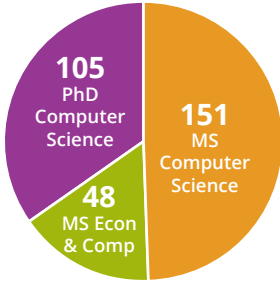
### 3 Goldwater Scholars: Ayush Jain, Michelle Si, Marie-Hélène Tomé

# THE GRADUATE EXPERIENCE

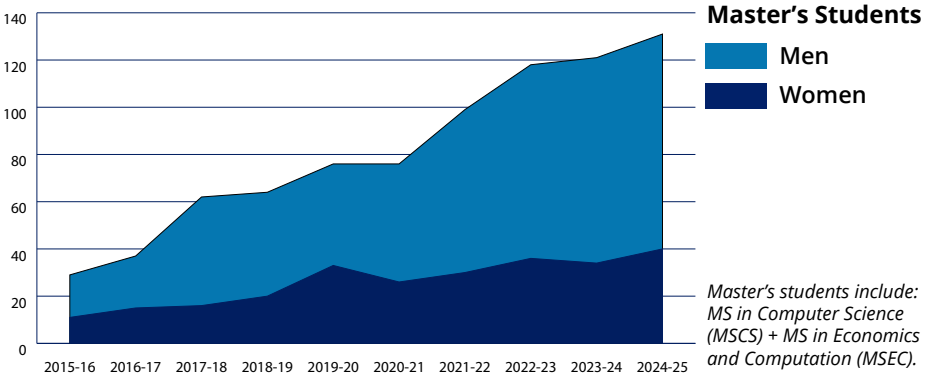
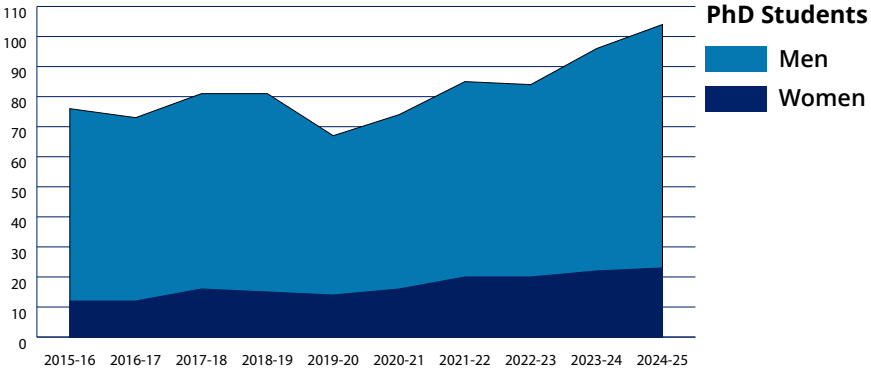


For more information, visit [cs.duke.edu/graduate](https://cs.duke.edu/graduate)

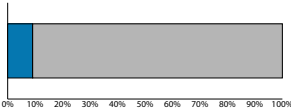
## GRADUATE ENROLLMENT 2024-2025



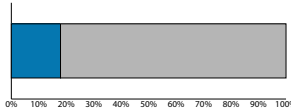
## GRADUATE DEMOGRAPHICS



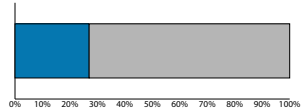
## ADMISSIONS



**PhD:** 9.1% accepted  
out of 614 applicants



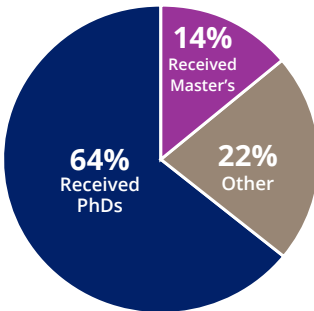
**MScS:** 17.9% accepted  
out of 845 applicants



**MSEC:** 27% accepted  
out of 178 applicants

## PhD STATISTICS

### Completion Rate:



### Completion Time:



- Duke Median (2017-2022): 5.7 years
- US National Median: 5.8 years

## RECENT GRADUATE FELLOWSHIPS



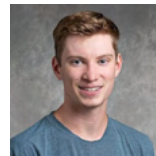
**Jabari Kwesi**  
NSF GRFP



**Jonathan Donnelly**  
NSF GRFP



**Ruoyu (Roy) Xie**  
NSF GRFP



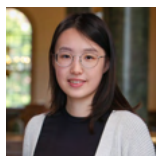
**Benjamin Holmgren**  
DOE CSGF

## ACADEMIC PLACEMENTS

Postdoctoral associates and PhDs who recently accepted faculty positions:



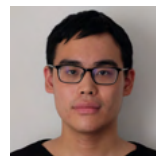
**Alper Bozkurt**  
University of  
Maryland



**Chudi Zhong**  
UNC  
Chapel Hill



**Lesia Semenova**  
Rutgers  
University



**Mo Zhou**  
University of  
Washington

# ACADEMIC PROGRAMS

## Undergraduate

[cs.duke.edu/undergraduate](https://cs.duke.edu/undergraduate)

## Graduate

[cs.duke.edu/graduate](https://cs.duke.edu/graduate)

# RESEARCH AREAS

## Artificial Intelligence

[cs.duke.edu/research/artificialintelligence](https://cs.duke.edu/research/artificialintelligence)

## Computation + X

[cs.duke.edu/research/computationplusx](https://cs.duke.edu/research/computationplusx)

## Computer Science Education

[cs.duke.edu/research/compscieducation](https://cs.duke.edu/research/compscieducation)

## Data Science

[cs.duke.edu/research/datascience](https://cs.duke.edu/research/datascience)

## Systems

[cs.duke.edu/research/systems](https://cs.duke.edu/research/systems)

## Theoretical Computer Science

[cs.duke.edu/research/theory-algorithms](https://cs.duke.edu/research/theory-algorithms)

# CONNECT WITH DUKE CS



[facebook.com/DukeComputerScience](https://facebook.com/DukeComputerScience)



[x.com/dukecompsci](https://x.com/dukecompsci)



[instagram.com/dukecompsci](https://instagram.com/dukecompsci)



[youtube.com/DukeComputerScience](https://youtube.com/DukeComputerScience)

Duke



DEPARTMENT of  
COMPUTER SCIENCE

308 Research Drive Box 90129  
Duke University  
Durham, NC 27708  
(919) 660-6548  
[cs.duke.edu](https://cs.duke.edu)