



## ANNOUNCEMENT OF WINNERS

of the eighty-fifth competition held on December 7, 2024

In each of the following categories, the listing is in alphabetical order.

### THE PUTNAM FELLOWS — THE FIVE HIGHEST-RANKING INDIVIDUALS

Each receives an award of \$2,500.

|                 |                                       |
|-----------------|---------------------------------------|
| Jiangqi Dai     | Massachusetts Institute of Technology |
| Papon Lapate    | Massachusetts Institute of Technology |
| Brian Liu       | Massachusetts Institute of Technology |
| Luke Robitaille | Massachusetts Institute of Technology |
| Qiao Sun        | Massachusetts Institute of Technology |

### THE NEXT ELEVEN HIGHEST-RANKING INDIVIDUALS

Each receives an award of \$1,000.

|                           |                                         |
|---------------------------|-----------------------------------------|
| Advaith Avadhanam         | Massachusetts Institute of Technology   |
| Pico Gilman               | University of California, Santa Barbara |
| Cheng Jiang               | Massachusetts Institute of Technology   |
| Derek Liu                 | Massachusetts Institute of Technology   |
| Maximus Lu                | Massachusetts Institute of Technology   |
| Henrick Rabinovitz        | Massachusetts Institute of Technology   |
| Pitchayut Saengrungkongka | Massachusetts Institute of Technology   |
| Eric Shen                 | Harvard University                      |
| Karthik Vedula            | Massachusetts Institute of Technology   |
| Allen Wang                | Massachusetts Institute of Technology   |
| Zixiang (Peter) Zhou      | Massachusetts Institute of Technology   |

## THE NEXT NINE HIGHEST-RANKING INDIVIDUALS

Each receives an award of \$250.

|               |                                       |
|---------------|---------------------------------------|
| Kevin Cong    | Harvard University                    |
| Rishabh Das   | Massachusetts Institute of Technology |
| Raymond Feng  | Massachusetts Institute of Technology |
| Minjae Kwon   | Princeton University                  |
| Elliott Liu   | Massachusetts Institute of Technology |
| Razzi Masroor | Massachusetts Institute of Technology |
| Jessica Wan   | Massachusetts Institute of Technology |
| Yichen Xiao   | Massachusetts Institute of Technology |
| Alex Zhao     | Massachusetts Institute of Technology |

## **HONORABLE MENTION — INDIVIDUALS**

### **(RANKS 26-100)**

David Anghel, MIT  
Omar Farid Astudillo Marban, MIT  
Mehmet Can Bastemir, MIT  
Ankit Bisain, MIT  
Alan Bu, Harvard University  
An Cao, Brown University  
Ruben Carpenter, Yale University  
Tristan Chaang, MIT  
Evan Chang, MIT  
Reagan Choi, MIT  
Cheuk Hei Chu, MIT  
Wilbert Chu, Purdue University  
Raphael Dylan Dalida, MIT  
Sanjana Das, MIT  
Caleb Dastrup, Brigham Young University  
Robert Dragomirescu, Stanford University  
Lucy Epstein, MIT  
Mason Eyler, Stanford University  
Ruosong Gao, Stanford University  
Gopal Goel, MIT  
Andrew Gu, Harvard University  
Thomas Guo, MIT  
Paul Hamrick, University of North Carolina  
Evan Hart, Reed College  
Rowan Hess, Cornell University  
Daniel Hong, MIT  
Qingcheng Hu, University of Chicago  
Valentio Iverson, University of Waterloo  
Vidur Jasuja, MIT  
Pavan Jayaraman, MIT  
Benjamin Jeter, Arizona State University  
Zhicheng Jiang, MIT  
Shihan Kanungo, San Jose State University  
Davit Kldiashvili, MIT  
Aaron Alvarado Kristanto Julistiono, MIT  
Tuong Le, University of Michigan  
Daeho Lee, MIT  
Gyudong Lee, MIT  
Justin Lee, Caltech  
Jordan Lefkowitz, MIT

Daniel Li, MIT  
Lei Li, Carnegie Mellon University  
Sean Li, MIT  
Huaye Lin, MIT  
Michal Lipiec, MIT  
Andrei Mandelshtam, Stanford University  
Marvin Mao, MIT  
Haran Mouli, University of Wisconsin  
Nikhil Mudumbi, Columbia University  
Aloysius Ng, MIT  
Tiago Oliveira Marques, MIT  
Aditya Pahuja, Stony Brook University  
Zehan Pan, MIT  
Bo Peng, Carnegie Mellon University  
Hung Pham, University of Chicago  
Krishna Pothapragada, MIT  
Isaac Rajagopal, MIT  
Jacopo Rizzo, MIT  
Worrawat Rungtamsin, Stanford University  
James Rydell, Duke University  
Eric Shen, MIT  
Benjamin Shimabukuro, MIT  
Danil Sibgatullin, MIT  
Easton Singer, Harvard University  
Tomasz Slusarczyk, MIT  
Nathan Smith, Brown University  
Milo Stammers, University of Waterloo  
Maxwell Sun, MIT  
Kenta Suzuki, MIT  
Linus Yifeng Tang, MIT  
Teimurazi Toloraia, MIT  
Thien An Vu, University of North Carolina  
Noah Walsh, MIT  
Eric Wang, MIT  
Jaedon Whyte, MIT  
Jer Ren Wong, MIT  
Daniel Xia, MIT  
Max Xu, MIT  
Daniel Yuan, University of Maryland  
Isaac Zhu, MIT

## ELIZABETH LOWELL PUTNAM PRIZE

She receives an award of \$1,000.

Jessica Wan

Massachusetts Institute of Technology

### WINNING TEAMS

| Rank | School                                  | Team Members (in alphabetical order)                              |
|------|-----------------------------------------|-------------------------------------------------------------------|
| 1    | Massachusetts Institute of Technology   | Papon Lapate<br>Luke Robitaille<br>Qiao Sun                       |
| 2    | Harvard University                      | Kevin Cong<br>Andrew Gu<br>Eric Shen                              |
| 3    | Stanford University                     | Robert Dragomirescu<br>Andrei Mandelshtam<br>Worrawat Rungaramsin |
| 4    | Carnegie Mellon University              | Alan Abraham<br>Lei Li<br>Bo Peng                                 |
| 5    | University of California, Santa Barbara | Victor Bernal Ramirez<br>Pico Gilman<br>Om Mahesh                 |

The institution with the first-place team receives an award of \$25,000, and each member of the team receives \$1,000. The team and member awards for second place are \$20,000 and \$800, respectively; for third place, \$15,000 and \$600; for fourth place, \$10,000 and \$400; and for fifth place, \$5,000 and \$200.

## **HONORABLE MENTION — TEAMS (RANKS 6-10)**

Listed by university in alphabetical order. Where four students are listed, there was a tie for third-highest individual score at that institution.

| <b>School</b>                        | <b>Team Members (in alphabetical order)</b>                    |
|--------------------------------------|----------------------------------------------------------------|
| Brown University                     | An Cao<br>Luke Choi<br>Nathan Smith                            |
| University of Chicago                | Qingcheng Hu<br>Cong Hung Le Tran<br>Hung Pham                 |
| University of Maryland, College Park | Clarence Lam<br>Isaac Mammel<br>Daniel Yuan                    |
| University of Michigan               | Tuong Le<br>Deron Lessure<br>Bohang Yu                         |
| University of Waterloo               | Valentio Iverson<br>Milo Stammers<br>Mars Xiang<br>Xuezhi Wang |

### **PUTNAM PROBLEMS COMMITTEE:**

Brian Hunt (Chair), University of Maryland, College Park  
Greta Panova, University of Southern California  
George Gilbert, Texas Christian University

### **CONTRIBUTORS OF ADDITIONAL PROBLEMS FOR THE COMPETITION:**

Patrick Corn, Susquehanna International Group  
Gregory Galperin, Eastern Illinois University  
David Grabiner, Department of Defense  
Karl Mahlburg, Susquehanna International Group  
Michael Larsen, Indiana University  
Richard Stanley, Massachusetts Institute of Technology and University of Miami

### **COMPETITION LEADERSHIP:**

Daniel Ullman (Director), George Washington University  
Paul Zeitz (Associate Director), University of San Francisco

## SCORE-TO-RANK CORRESPONDENCE

A participant is said to have rank  $n$  if  $n-1$  participants scored higher. There were 3988 participants in the competition.

| Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank | Score | Rank |
|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 90    | 1    | 64    | 32   | 49    | 96   | 35    | 202  | 21    | 505  | 7     | 1335 |
| 87    | 2    | 63    | 34   | 48    | 100  | 34    | 208  | 20    | 546  | 6     | 1344 |
| 81    | 3    | 62    | 37   | 47    | 106  | 33    | 220  | 19    | 641  | 5     | 1373 |
| 80    | 4    | 61    | 38   | 46    | 109  | 32    | 238  | 18    | 669  | 4     | 1428 |
| 78    | 6    | 60    | 45   | 45    | 111  | 31    | 254  | 17    | 686  | 3     | 1557 |
| 75    | 9    | 59    | 52   | 44    | 116  | 30    | 272  | 16    | 698  | 2     | 1760 |
| 74    | 10   | 58    | 58   | 43    | 119  | 29    | 295  | 15    | 713  | 1     | 2408 |
| 72    | 11   | 57    | 61   | 42    | 126  | 28    | 313  | 14    | 750  | 0     | 2807 |
| 71    | 13   | 55    | 64   | 41    | 137  | 27    | 328  | 13    | 820  |       |      |
| 70    | 17   | 54    | 66   | 40    | 150  | 26    | 337  | 12    | 905  |       |      |
| 69    | 18   | 53    | 69   | 39    | 173  | 25    | 349  | 11    | 1090 |       |      |
| 67    | 23   | 52    | 76   | 38    | 180  | 24    | 374  | 10    | 1171 |       |      |
| 66    | 26   | 51    | 79   | 37    | 194  | 23    | 404  | 9     | 1274 |       |      |
| 65    | 30   | 50    | 87   | 36    | 198  | 22    | 449  | 8     | 1305 |       |      |

# **FREQUENCY DISTRIBUTION OF PROBLEM SCORES OF THE TOP 504 CONTESTANTS**

| Score | A1  | A2 | A3  | A4  | A5  | A6  | B1  | B2  | B3  | B4  | B5  | B6  |
|-------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 10    | 449 | 93 | 29  | 112 | 5   | 0   | 375 | 81  | 75  | 95  | 1   | 0   |
| 9     | 28  | 10 | 1   | 11  | 3   | 1   | 25  | 76  | 21  | 39  | 0   | 1   |
| 8     | 1   | 99 | 8   | 15  | 3   | 0   | 11  | 17  | 9   | 5   | 0   | 0   |
| 7     | 0   | 11 | 2   | 13  | 0   | 0   | 4   | 7   | 0   | 0   | 0   | 2   |
| 6     | 0   | 0  | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| 5     | 0   | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 4     | 0   | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 3     | 4   | 36 | 1   | 27  | 0   | 0   | 2   | 12  | 43  | 23  | 0   | 2   |
| 2     | 13  | 88 | 8   | 10  | 3   | 0   | 48  | 21  | 70  | 32  | 82  | 2   |
| 1     | 3   | 24 | 29  | 52  | 0   | 9   | 16  | 54  | 80  | 14  | 81  | 0   |
| 0     | 1   | 85 | 154 | 34  | 163 | 65  | 10  | 84  | 43  | 77  | 41  | 29  |
| NA    | 5   | 58 | 272 | 229 | 327 | 429 | 13  | 152 | 163 | 219 | 299 | 467 |

## STUDENTS RANKED 101-200

Listed by university in alphabetical order

### **Arizona State University, Tempe, AZ**

Sahaj Rastogi

### **Brandeis University, Waltham, MA**

Maximilien Shepard

### **Brigham Young University, Laie, HI**

Erdenebileg Erdenebat

### **Brown University, Providence, RI**

Luke Choi

Joshua Kou

### **California Institute of Technology, Pasadena, CA**

Vivian Loh

Peter Powell

### **Carnegie Mellon University, Pittsburgh, PA**

Alan Abraham

Ishin Shah

Siyuan Chen

James Yang

### **Centro de Investigación en Matemáticas, Guanajuato, Mexico**

José Andrés

### **Columbia University, New York City, NY**

Eric Yuang Shao

### **Cornell University, Ithaca, NY**

Evan Yang

### **Duke University, Durham, NC**

Harry Chen

Kaixin Wang

### **Georgia Institute of Technology, Atlanta, GA**

Duc Minh Le

Nitipon Trimaitreepituk

### **Harvard University, Cambridge, MA**

Preston Bushnell

William Hu

Radu Andrei Lecoiau

Kevin Du

Tri Le



**Harvey Mudd College, Claremont, CA**

Alan Kappler  
Kai Mawhinney

**Haverford College, Haverford, PA**

William Bender

**Massachusetts Institute of Technology, Cambridge, MA**

|                  |                      |                      |
|------------------|----------------------|----------------------|
| Serena An        | Zhening Li           | José Alejandro Reyes |
| Srinivas Arun    | Srinath Mahankali    | González             |
| Tilek Askerbekov | Kevin Min            | Zian Shang           |
| Richard Chen     | Nilay Mishra         | Zian Shi             |
| David Dong       | Holden Mui           | Espen Slettnes       |
| Ram Goel         | Atul Shatavart Nadig | Kshitij Sodani       |
| Joshua Guo       | Vishal Nandakumar    | Filbert Ephraim Wu   |
| Won Jang         | Daniel Ochoa         | William Yue          |
| Tristan Kay      | Joseph Othman        | Hankai Zhang         |
| Ryan Li          | Sebastian Prasanna   | Justin Zhang         |
|                  | Samuel Prieto Lima   | Isabella Zhu         |

**McGill University, Montreal, QC, Canada**

Asha Basu

**New York University, New York, NY**

Siyong Liu

**Pomona College, Claremont, CA**

Deniz Tanaci

**Purdue University, West Lafayette, IN**

Tanishq Pauskar  
Lorenzo Sarria Maldonado  
Nicholas Song

**Rose-Hulman Institute of Technology, Terre Haute, IN**

Connor Lane

**Stanford University, Stanford, CA**

Rahul Thomas  
Hongzhou Wu

**University of British Columbia, Vancouver, BC, Canada**

Charles Ran  
Arvin Sahami

**University of California, Berkeley, CA**

Robin Sharif  
Jianzhi Wang

**University of California, Davis, CA**

Neal Yan

**University of California, Los Angeles, CA**

Sachin Sahay

**University of California, San Diego, CA**

Eyad Alqatari  
Kornpholkrit Weraarchakul

**University of California, Santa Barbara, CA**

Victor Bernal Ramirez

**University of Florida, Gainesville, FL**

Samuel Kim

**University of Illinois, Urbana-Champaign, IL**

Brendan Biernacki

**University of Maryland, College Park, MD**

Clarence Lam  
Isaac Mammel

**University of Massachusetts, Amherst, MA**

Son Pham

**University of Michigan, Ann Arbor, MI**

Bohang Yu

**University of Minnesota, Minneapolis, MN**

Garv Khurana

**University of Nevada, Reno, NV**

Christopher Bao

**University of Toronto, Toronto, ON, Canada**

Ali Alramadan  
Rizky Rajendra Ananta Dewa  
Haonan Zhao

**University of Virginia, Charlottesville, VA**

Vincent Trang

**University of Waterloo, Waterloo, ON, Canada**

Arthur Bright  
William Dai

Jason Fang  
Xuezhi Wang

Mars Xiang

**University of Wisconsin, Madison, WI**

Jonah Guse

**Williams College, Williamstown, MA**

Noam Pasman

**Yale University, New Haven, CT**

Vismay Sharan  
Chun Yeung Wong

# STUDENTS RANKED 201-500

Listed by university in alphabetical order

## **Amherst College, Amherst, MA**

Alexandre van Lidth

## **Augustana University, Sioux Falls, SD**

Tianyi Lu

## **Binghamton University, Binghamton, NY**

Josiah Moltz

## **Boston University, Boston, MA**

Kaiwen Li

## **Brigham Young University, Provo, UT**

Kenneth Applegate

Ethan Donahey

Ethan Katz

## **Brown University, Providence, RI**

Joseph Chun

Aidan Hennessey

Edwin Lu

Alexander Mark

Zakhar Pysarevskyi

Arnav Singhal

Anthony Wong

Haoyang Xu

Zhengyu Zou

## **Bucknell University, Lewisburg, PA**

Skyler Le

## **California Institute of Technology, Pasadena, CA**

Christopher Cox

Yunhao Lou

Eduardo Henrique

Rodrigues do

Nascimento

Shreyas Singh

Saikhanbileg

Tsogtgerel

## **Carleton College, Northfield, MN**

Qihang Cheng

Henry Coyle

**Carnegie Mellon University, Pittsburgh, PA**

|               |                      |              |
|---------------|----------------------|--------------|
| Vi Ai         | Stanley Liu          | Isaac Wu     |
| Dennis Chen   | Daniel Mai           | Yuetian Wu   |
| Shiyuan Feng  | Nairit Sarkar        | Anthony Xu   |
| Justin Hsieh  | Matthew Snodgrass    | Gene Yang    |
| Jeungyoon Kim | Jerry Song           | Alex Zheng   |
| Owen Lalis    | Atul Thyvalappil     | Henry Zheng  |
| Yuelin Li     | Mario Tutuncu-Macias | Yixuan Zheng |

**Case Western Reserve University, Cleveland, OH**

Jesse Silverberg

**Centro de Investigación en Matemáticas, Guanajuato, Mexico**

Dariam Aguilar  
Isaías Fernando de la Fuente Jiménez

**Colby College, Waterville, ME**

Thor Gabrielsen  
Pedro Santos

**Colorado State University, Fort Collins, CO**

Jade Henderson

**Columbia University, New York, NY**

|               |            |
|---------------|------------|
| Zachary Klein | Felix Liu  |
| Leo Li        | Bufan Zhao |

**Cooper Union, New York, NY**

Jason Hao

**Cornell University, Ithaca, NY**

|              |              |             |
|--------------|--------------|-------------|
| Rishi Gujjar | Makhmut Omar | Derek Xu    |
| Aryaan Jena  | Caleb Shim   | Ruogu Zhang |

**Dartmouth College, Hanover, NH**

Connor Zhang

**Duke University, Durham, NC**

Erick Jiang  
Jaemin Kim  
Hung Le

**Georgia Institute of Technology, Atlanta, GA**

Edward Chen  
Neil Patram

**Harvard University, Cambridge, MA**

Samuel Engel  
Jacob Paltrowitz  
Aquila Wolff

Gabriel Wu  
Henry Xie  
Haozhe Yang

Alexander Zhang  
Sophie Zhu

**Harvey Mudd College, Claremont, CA**

Noah Leaf  
Adam Tang

Lawrence Wang  
Luke Wang

**Haverford College, Haverford, PA**

Hongyi Zhang

**Hillsdale College, Hillsdale, MI**

Andrew Schmidt

**Illinois Institute of Technology, Chicago, IL**

Leonardo Marciaga

**Johns Hopkins University, Baltimore, MD**

Yash Permalla  
Tian Zhou

**Massachusetts Institute of Technology, Cambridge, MA**

Hadi Al Aithan  
Nikoloz Birkadze  
Tomas Cantu  
Alvin Chen  
Shevonne Chia  
Wai In Chu  
Nishant Dhankhar  
Bilyana Dimitrova  
Jackson Dryg  
Aidan Duncan  
Abhinav Goel  
Arnav Goel  
Ezra Guerrero  
Aaron Guo  
John Gupta-She  
Garrett Heller  
Marin Hristov

Aaron Hu  
Jonathan Huang  
Luke Huang  
Brendon Jiang  
Yifan Kang  
Nazar Korniiichuk  
David Lee  
Benson Zhan Li Lin  
Ruiyang Luo  
Ghaura Mahabaduge  
Youssef Marrakchi  
Max Misterka  
Ana Onoprishvili  
Zachary Perry  
Edward Qiao  
Juan Reyes  
Carlos Rodriguez

Kristie Sue  
Ray Tang  
Alan Vladimiroff  
Rich Wang  
David Wei  
Christopher Wu  
Raina Wu  
Tony Wu  
Edward Xiong  
Jason Yang  
Michael Yang  
Andrew Yuan  
Evan Zhang  
Jason Zhang  
Derek Zhao  
Kevin Zhao  
Rowechen Zhong

**Mercer University, Macon, GA**

Zachary Medlin

**Michigan State University, East Lansing, MI**

Erik Brodsky  
Cameron Oberg

**New York University, New York, NY**

|              |                |
|--------------|----------------|
| Andrew Li    | Nurtas Shyntas |
| John Quigley | Nicholas Wang  |

**Northwestern University, Evanston, IL**

Yung Chi Li

**Ohio State University, Columbus, OH**

Dylan Weber

**Pennsylvania State University, University Park, PA**

Anton Kaminskyi  
Nikita Kiselov

**Princeton University, Princeton, NJ**

|                 |           |
|-----------------|-----------|
| Benjamin Lemkin | Andrew Tu |
| Rodrigo Porto   | Iris Yan  |

**Purdue University, Lafayette, IN**

William Huo  
William Lin  
Harry Zheng

**Rensselaer Polytechnic Institute, Troy, NY**

Aidan Graham

**Rice University, Houston, TX**

Theodore Astor  
Tong Zou

**Rutgers University, New Brunswick, NJ**

Herbert Huachaca  
Eric Yang  
Yuang Zhou

**Saint Olaf College, Northfield, MN**

Anh Phan

**Stanford University, Stanford, CA**

Jack Albright  
Carlo Baronio  
Michael Cho  
Nathan Cho

Michael Doboli  
John Hlavka  
Sai Konkimalla  
Weijie Li

Karthik Seetharaman  
Anthony Zhan  
Ethan Zhang

**Stony Brook University, Stony Brook, NY**

William Lee

**Swarthmore College, Swarthmore, PA**

Milan Tenn

**Texas A&M University, College Station, TX**

Joshua Im  
Mark Shiliaev  
Mckinley Xie

**Texas Christian University, Fort Worth, TX**

Duc Toan Nguyen

**Trinity University, San Antonio, TX**

Amelia Gibbs

**Tufts University, Medford, MA**

Luca Lamardo

**University of Alabama, Tuscaloosa, AL**

Vu Minh Khang Ho

**University of Alabama, Birmingham, AL**

Elias Mrug

**University of Arizona, Tucson, AZ**

Vadim Bernshteyn

**University of British Columbia, Vancouver, BC, Canada**

Jiang Xu Wan

**University of California, Berkeley, CA**

Aditya Baireddy  
Hannah Cairo  
Ralph Cao  
Arthur Chen  
Theodore Danial

Preston Fu  
Ishir Garg  
Andrew Huang  
Neel Kolhe  
Bradley Louie Saito

Youngmin Park  
Shreyas Ramamurthy  
Robert Yang



**University of California, Irvine, CA**

Ziyun Lin

**University of California, Los Angeles, CA**

Jason Huang

Diana Tolu

Michael Zhou

Akash Madiraju

Kaiwen Xiao

Xingjian Zhou

**University of California, San Diego, CA**

Muchen Ju

Daniel Monroe

**University of California, Santa Barbara, CA**

Yifan Dai

Om Mahesh

**University of Chicago, Chicago, IL**

David Hu

Cong Hung Le Tran

Rohan Soni

**University of Colorado, Boulder, CO**

Jeremy Huang

**University of Denver, Denver, CO**

Anna Johnston

**University of Florida, Gainesville, FL**

Julian Carvajal

Jake Frazer

Samuel Cohen

Alejandro Leon

**University of Illinois, Urbana-Champaign, Illinois**

Braden Dean

Frederick Ivan Tan

Edward Han

Jinghan Zeng

**University of Kansas, Lawrence, KS**

Teerapat Saengsubin

**University of Maryland, College Park, MD**

Omar Habibullah

Adam Melrod

Samuel Lidz

Kelin Zhu

**University of Massachusetts, Amherst, MA**

Minh Do

Garrett Hinkley

**University of Michigan, Ann Arbor, MI**

Peter Ahlin  
Marcus Gozon

Deron Lessure  
Qichen Li

Guanyu Zhang

**University of Minnesota, Minneapolis, MN**

Jeffrey Hu  
Nathan Mihm  
Andrew Mou

**University of Nevada, Las Vegas, NV**

Shenlone Wu

**University of North Carolina, Chapel Hill, NC**

Vincent Wang

**University of Notre Dame, Notre Dame, IN**

Andrew Brooks

**University of Pennsylvania, Philadelphia, PA**

Shuyi Wang  
Allan Zhang

Vincent Zhang

**University of Rochester, Rochester, NY**

Tran Duy Anh Le  
Aliya Abdul Rahim

**University of Texas, Austin, TX**

John Jennings  
Asim Suhail

**University of Texas, Dallas, TX**

Andon Epp  
Shagun Garg  
Suraj Mathashery

**University of Toronto, Toronto, ON, Canada**

Ethan  
Bottomley-Mason  
Kunaal Chandrashekar  
Zelin Chen  
Robert Chung

Zachary Cormack  
Benjamin Edidin  
Alptekin Goksan  
Lucas Jacobs  
Boyan Litchev

George Mu-Zhao  
Tom Philip  
Petrus Deon Pranoto  
Chong Un Un

**University of Virginia, Charlottesville, VA**

Isaac Assink  
Utkarsh Goyal  
Varun Vejalla

**University of Washington, Seattle, WA**

Gregory Baimetov  
Suyash Pandit  
Jaedon Rich

**University of Waterloo, Waterloo, ON, Canada**

|              |                      |               |
|--------------|----------------------|---------------|
| Paul Chen    | Max Jiang            | Ruojin Xie    |
| Yi Xuan Chen | Hanson Liu           | Tianze Xu     |
| William Dan  | Ethan Oyberman       | Daniel Ye     |
| Andrew Dong  | Bert Sun             | Leonardo Zhou |
| Maxwell He   | Ryan Tan             |               |
| Ken Jiang    | Christopher Trevisan |               |

**University of Western Ontario, London, ON, Canada**

William Bate

**University of Wisconsin, Madison, WI**

Lucas Allen

**Vanderbilt University, Nashville, TN**

Serhii Mytsyk

**Vassar College, Poughkeepsie, NY**

Gustav Gebbie

**Virginia Polytechnic Institute and State University, Blacksburg, VA**

Grant Mullins

**Washington University, St Louis, MO**

Hayrettin Yildiz

**Whitworth University, Spokane, WA**

Noah Dunham

**Yale University, New Haven, CT**

|              |                        |             |
|--------------|------------------------|-------------|
| Jacob Berg   | Shane Lee              | Jason Wang  |
| Henry Burton | Wesley Antonio Machado | Stephen Xia |
| Howard Dai   | Andrade de Aguiar      | Davis Zong  |
| Lejun Deng   | Ayush Tibrewal         |             |
| Aman Jain    | Daniel Wang            |             |

## TOP TEAMS BY MAA SECTION

Teams listed in order of team score. Where four institutions are listed, there was a tie for third-highest team score in that section.

### **Allegheny Mountain Section**

Carnegie Mellon University  
Pennsylvania State University  
Pennsylvania State University, Behrend

### **Eastern PA & Delaware Section**

University of Pennsylvania  
Haverford College  
Swarthmore College

### **Florida Section**

University of Florida  
University of Central Florida  
Florida International University

### **Golden Section**

Stanford University  
University of California, Berkeley  
University of California, Davis

### **Illinois Section**

University of Chicago  
University of Illinois  
Northwestern University

### **Indiana Section**

Purdue University  
Rose–Hulman Institute of Technology  
University of Notre Dame

### **Intermountain Section**

Brigham Young University  
Utah State University  
University of Utah

### **Iowa Section**

Grinnell College  
University of Iowa  
Iowa State University

### **Kansas Section**

University of Kansas  
Kansas State University  
Friends University

**Kentucky Section**

University of Louisville  
Centre College  
Western Kentucky University

**Louisiana-Mississippi Section**

Louisiana State University  
Mississippi State University  
University of Louisiana, Lafayette

**Maryland-DC-Virginia Section**

University of Maryland  
University of Virginia  
Johns Hopkins University

**Metro New York Section**

Columbia University  
New York University  
Stony Brook University SUNY

**Michigan Section**

University of Michigan  
Michigan State University  
Hillsdale College

**Missouri Section**

Washington University  
Saint Louis University  
University of Missouri

**Nebraska & Southeast South Dakota Section**

University of Nebraska, Omaha  
University of Nebraska, Lincoln  
Hastings College

**New Jersey Section**

Princeton University  
Rutgers University  
Rowan University

**North Central Section**

University of Minnesota  
St. Olaf College  
Carleton College

**Northeastern Section**

Massachusetts Institute of Technology  
Harvard University  
Brown University

**Ohio Section**

Ohio State University  
Case Western Reserve University  
Cedarville University

**Oklahoma-Arkansas Section**

University of Oklahoma  
Oklahoma State University  
Ouachita Baptist University  
Southwestern Oklahoma State University

**Pacific Northwest Section**

Reed College  
University of Washington  
University of Alberta

**Rocky Mountain Section**

University of Colorado  
Colorado State University  
Colorado School of Mines

**Seaway Section**

University of Waterloo  
Cornell University  
University of Toronto

**Southeastern Section**

University of North Carolina  
Duke University  
Georgia Institute of Technology

**Southern California-Nevada Section**

University of California, Santa Barbara  
California Institute of Technology  
University of California, San Diego

**Southwestern Section**

Arizona State University  
University of Arizona  
Embry-Riddle Aeronautical University

**Texas Section**

University of Texas, Dallas  
Rice University  
Texas A&M University

**Wisconsin Section**

University of Wisconsin, Madison

University of Wisconsin, Whitewater

University of Wisconsin, Stevens Point

Marquette University