**MakerSpace**
1. NYU Tandon MakerSpace

**Office of Innovation**
2. Power Line Detection for Drones

**Biomedical Engineering**
3. Emergence of Leaders in Human Groups
4. Brooklyn BioScience
5. GeneTrain for accelerated wound healing
6. A Hydrogel-Photocatalyst Composite Flow Reactor for Removal of Trace Organic Contaminants from Wastewater
7. Mid-Infrared Colloidal Quantum Dots-based Photodetectors
8. Mechanism Analysis of a Palladium Catalyzed Synthetic Chemistry in Micro-fluidic System
9. LabLessons

**Technology Culture and Society**
11. Measuring Mental Health: Wearable Technologies and Biological Measures of Anxiety

**Electrical and Computer Engineering**
12. Post-Quantum Cryptography Hardware Implementation
13. Kinect-Based In-Home Exercise System for Lymphedema intervention
14. Wireless charging and communication for Electric Vehicles
15. What Bio-IP am I cooking?
16. Atmospheric Air Plasma Device for Surface Treatments
17. Undergraduate Capstone Projects

**Computer Science and Engineering**
18. NASA Robotics Mining Competition
19. Interactive Systems for Automatic Machine Learning Model Building and Curation
20. ARIES: Art Image Exploration Space
21. Data, Responsibly

**Civil and Urban Engineering**
26. Robotic 3D Printing in Concrete
27. Connected and Autonomous Vehicles in NYC
28. Data-driven transportation analytics
29. Mapping the Bright Side of the City
30. Neuroscience for Architecture: Quantification of Human Responsiveness in Static and Responsive Built Environments
31. Synthesis of model-based and data-driven control algorithms for smart and connected roads

**CUE/MAE**
32. Soft Robot Proprioception via Deep Vision-based Sensing

**Mechanical and Aerospace Engineering**
33. Fiber-optic sensor for wind turbine blade
34. Legged Robots: Balancing and Gait
35. Assistive Vibrotactile Technology for Navigation and Obstacle Avoidance for the Visually Impaired
36. Augmented reality as a medium for human-robot collaborative tasks
37. Time-series analysis of audio data for detection of speech pathology
38. Immersive Virtual Reality Framework to Study User Engagement in Interactive Games
3D Printed Biomedical Devices
Faculty Advisor: Victoria Bill
Team Members:
Butt, Nayab
Casaza, Chrisy
Crane, Maeve Colette
Delaney, Calie
Floyd, Roxie
Gale, Vy-Linh Nguyen
Garcia, Andy
Kurti, Odeta
Larosiliere, Owen Yvons
Malkani, Alisha
Mesdour, Sarah
Moosa, Tahany
Muok, Laurie
Perez, Kevin
Ramos, Sofia Alejandra
Zhao, Sicheng
Zhu, Zheyi

Concrete Canoe
Faculty Advisor: Weihua Jin
Team Members:
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Lam, Wendy
Lin, Lara
Park, Si Yun
Ranasinghe, Dinuka

Mixed Reality Engineering Lab
Faculty Advisor: Mike Knox
Team Members:
Chen, Iris
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Huang, Jian Nan
Hwang, Brian
Knox, John
Rodriguez, Claudia Cristina
Sassoon, Jonny
Shafikah, Tengku Hana
Shu, Richard
Yeung, Richard
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NYU IGEM
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Huang, Kelly
Ionov, Steven
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Bhardwaj, Shivam
Chimnani, Naman
Du, Songyu
Ghani, Taimur
Gopinath, Rohan
Harry, Kyro-Lee
Holz, Eduard Alexander
Hu, Andrew
Lee, Patrick
Li, Xinru
Soin, Simran Kaur
Valore, Alexander
Xu, Cathy
Yang, Giana
Yousuf, Farhan M
Zahaleanu, Daria
Zheng, Karen Chou
Zhu, Juntao

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Xu, Cathy
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Zheng, Karen Chou
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NYU Tandon Motorsports
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Liu, Thomas
Mei, Jamie
Mendoza, Joel David
Ormut Durbin, Yasha Nath
White, Maximillian Christopher
Yip, Darren
Zhang, Alice
Zhou, Amanda

Rogue Aerospace
Faculty Advisor: Nicholas DiZinno
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Chowdhury, Raisa
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Hossain, Hafeza
Hu, Jefferson
Kandi, Rohan
Kupukina, Jeremy
LeMay, Brandon
Marbaix, James
Mee alla, Nimesha
Molla, Nahom
Ng Yu, Steven
Paterson, Riley John
Roy, Krishna
Russo, Michael
Sullivan, Katie
Thompson, Sally
Uiloca, Ruben E
Wiener, Jon
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Smart Cities Technology
Faculty Advisor: Jack Bringardner
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Lant, Caspar
Leon, Mateo
Mashrur, Nakib
Mittal, Ira
Ojo, Joshua Oluwafemi
Pustorino, Greg
Rahimi, Halah
Schir, Nina
Shahbaz, Farah
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Xie, Weyiao
Yang, Lixuan
Yerovi, Angelo Giovanni
Zakari, Hussain Muallim

U-START
Faculty Advisor: Fred Strauss
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Newby, Richelle
Rozbiansi, Ryan
Siraj, Salman
Truong, Thurman
Wan, Hoyin
Wang, Shuting
Wu, Bohan
Xu, Junhan
Xu, Zeyang
Zheng, Sam
Zhang, Vienna

Vertical Farming
Faculty Advisor: Alexandra Seidenstein
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Dang, Vi
Gowayed, Omar
Haxha, Maggie
Lamboglia, Leonardo
Mahjabin, Fariba
Moratos, Angel
Ng, Harvey

Research Expo 2019

1:00 pm • Welcome Remarks
1:30 pm • Vertically Integrated Projects Presentations
3:30 pm • Best Exhibits announced
4:00 pm • Research Expo concludes

VIP Research Expo 2019 Team Members

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