

2019 Intel International Science and Engineering Fair winners announced

May 28, 2019

The Intel International Science and Engineering Fair (Intel ISEF) unites the top young scientific minds, showcasing their talents on an international stage, where doctoral-level scientists review and judge their work.

Each year, approximately 1,800 high school students from more than 75 countries, regions, and territories are awarded the opportunity to showcase their independent research and compete for on average \$5 million in prizes at Intel ISEF. The competition focuses on identifying, inspiring, and engaging the world's next STEM generation.

Intel ISEF alumni have gone on to receive some of the world's most esteemed academic honors, including one Nobel Prize, one Breakthrough Prize, three National Medals of Science, and six MacArthur Foundation Fellowships. They're involved in some of the most groundbreaking scientific research.

This year, the Intel ISEF was held May 12-17 in Phoenix, Arizona. Twenty-three students from Virginia earned awards. They are listed below by region.

2019 Intel ISEF Recognition for Virginia Students

Blue Ridge Region

- Brandon Fan; Blacksburg High School; Second Place, Systems Software and Oracle Academy Award.

Fairfax Region

- David Toomer; Hayfield Secondary School; Fourth Place, Computational Biology and Bioinformatics.
- Divjot Bedi and Rishabh Misra; Thomas Jefferson High School for Science and Technology; Second Place, Embedded Systems and NASA Second Award.
- Jerry Wei; Oakton High School; Fourth Place, Robotics and Intelligent Machines.
- Justin Hu; James Madison High School; Third Place, Materials Science.
- Kaien Yang; Thomas Jefferson High School for Science and Technology; Third Place, Energy: Chemical.
- Miamar Burgos-Rosario, Saijai Supanklang, and Sarah Syed; Hayfield Secondary School; First Place, Microbiology.
- Rachel Naidich; Thomas Jefferson High School for Science and Technology; Fourth Place, Biomedical Engineering.
- Sid Thakker; James Madison High School; NIDA Second Award.

Metro Richmond

- Perisa Satish Ashar; Maggie L. Walker Governor's School; National Taiwan Science Education Center Award.

Northern Virginia

- James Licato; FWashington-Lee High School; Second Place, Earth and Environmental Sciences,

Piedmont

- Paula Zhu; Albemarle High School; Second Place, Cellular and Molecular Biology;

Shenandoah Valley

- John Richardson and Madison Nichols; Massanutten Regional Governor's School; Fourth Place, Environmental Engineering.
- Laura Thompson; Mountain Vista Governor's School; Third Place, Robotics and Intelligent Machines.

Tidewater

- Anna Vargas; Tabb High School; Fourth Place, Environmental Engineering and Drexel University Full Scholarship.
- Katelynne Berland; New Horizons Governor's School for Science and Technology; Fourth Place, Cellular and Molecular Biology.

Western Virginia

- Logan Dunkenberger; Roanoke Valley Governor's School for Science and Technology; Second Place, Microbiology.
- Kevin Sheng; Roanoke Valley Governor's School for Science and Technology; Fourth Place, Biomedical and Health Sciences.
- Mary Grace Giles; Roanoke Valley Governor's School for Science and Technology; Fourth Place, Earth and Environmental Sciences.