| last_name | first_name | project_id | title | category_name | school_name | teacher | special_award_name | SubType |
|-------------|------------|------------|--|-------------------------------|--------------------------------|-----------------|--|---|
| Kakkera | Anvith | BMED-06 | Cytological Evaluation of Thyroid Carcinoma: Machine Learning Analysis of Fine-Needle Aspiration Biopsies | Biomedical and Health Science | Thomas laffermas | Phillins Kathy | Commissioned Officer Association, U. S. Public Health Services, District of Columbia Branch, (DC- COA) | HM Meritorious Achievement Award in Medicine and Public Health Certificate and Medal |
| Kalla | Aneesh | BMED-06 | Cytological Evaluation of Thyroid Carcinoma: Machine Learning Analysis of Fine-Needle Aspiration Biopsies | Biomedical and Health Science | | | Commissioned Officer Association, U. S. Public Health Services, District of Columbia Branch, (DC- | HM Meritorious Achievement Award in Medicine and |
| Tathicherla | Sravya | BENG-02 | CNN Identification of Abnormal Lung Sounds as a Potential Precursor of SIDS | Biomedical Engineering | Thomas Jeffers | Phillips, Kathy | Seraphim Life Sciences | 2nd Place Outstanding Effort in Biomedical Science and Technology\$ 80 (split between team members) |
| Kumar | Tejavi | BENG-02 | CNN Identification of Abnormal Lung Sounds as a Potential Precursor of SIDS | Biomedical Engineering | Thomas Jeffers | Phillips, Kathy | Seraphim Life Sciences | 2nd Place Outstanding Effort in Biomedical Science and Technology\$ 80 (split between team members) |
| Tathicherla | Sravya | BENG-02 | CNN Identification of Abnormal Lung Sounds as a Potential Precursor of SIDS | Biomedical Engineering | Thomas leffers | Phillips, Kathy | McGraw Hill | 1stCertificate and \$50 Gift Card each |
| Kumar | Tejavi | BENG-02 | CNN Identification of Abnormal Lung Sounds as a Potential Precursor of SIDS | Biomedical Engineering | | Phillips, Kathy | | 1stCertificate and \$50 Gift Card each |
| | | | TheraLink: Detecting Onset Alzheimer's Disease Utilizing 3D Convolutional Neural Networks MRI Analysis and Advancing Repurposed Targeted | Ů Ů | | | Washington Statistical | |
| Dhingra | Manini | CHEM-01 | Therapeutics TheraLink: Detecting Onset Alzheimer's Disease Utilizing 3D Convolutional Neural Networks MRI Analysis and Advancing Repurposed Targeted Therapeutics | Chemistry | Thomas Jeffers Thomas Jeffers | | Society (WSS) Washington Statistical Society (WSS) | 1stCertificate |

| | | | TheraLink: Detecting | | | | |
|-----------|------------|------------|-------------------------------|-------------------------|---------------------------------|--|-------------------------------|
| | | | Onset Alzheimer's | | | | |
| | | | Disease | | | | |
| | | | Utilizing 3D Convolutional | | | | |
| | | | Neural Networks MRI | | | | |
| | | | Analysis and | | | | 1stCertificate |
| | | | Advancing Repurposed | | | | and \$200 gift card (split |
| Dhinasa | Manini | CHEM-01 | Targeted | Chamiata. | Thomas Joffers Dhilling Kethy | Drainnan | between team |
| Dhingra | IVIAIIIIII | CHEIVI-U I | Therapeutics TheraLink: | Chemistry | Thomas Jeffers Phillips, Kathy | Біашрор | members) |
| | | | Detecting Onset | | | | |
| | | | Alzheimer's | | | | |
| | | | Disease Utilizing 3D | | | | |
| | | | Convolutional Neural | | | | |
| | | | Networks MRI | | | | |
| | | | Analysis and Advancing | | | | 1stCertificate and \$200 gift |
| | | | Repurposed Targeted | | | | card (split |
| Reddy | Vidhi | CHEM-01 | Therapeutics | Chemistry | Thomas Jeffers Phillips, Kathy | Brainpop | between team members) |
| | | | Learned Plasticity: | | | | |
| | | | Adaptive, | | | | |
| | | | Carbon- Conscious | | | | |
| | | | Artificial Intelligence | | | | |
| | | | via Prefrontal Cortex | | | | 2nd |
| | | | Inspired Meta | | | | Certificate and |
| Kalahasty | Rohan | CSMA-04 | Learning | Computer Science Math | Thomas Jeffers Phillips, Kathy | Ofinno | \$200 gift card |
| | | | Plasticity: | | | | |
| | | | Adaptive, Carbon- | | | | |
| | | | Conscious Artificial | | | | |
| | | | Intelligence via Prefrontal | | | | 1stInvitation to Robert |
| | | | Cortex | | | | Herndon |
| Kalahasty | Rohan | CSMA-04 | Inspired Meta Learning | Computer Science Math | Thomas Jeffers Phillips, Kathy | Aerospace Corporation, The | Science Competition |
| | | | Solving the Admissibility | | | | Honorable Mention |
| | | | Problem: | | | | Invitation to |
| | | | Radon Algorithms to | | | | Robert Herndon |
| Dusad | Mihika | CSMA-05 | Minimize Radiation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Aerospace Corporation, | Science Competition |
| Dusau | Willing | OOIVI/ COO | Solving the | Computer Colonice Wattr | Thomas deficis i fillips, framy | THE | Competition |
| | | | Admissibility Problem: | | | | |
| | | | Radon | | | | 1stCertificate |
| | | | Algorithms to Minimize | | | American Nuclear Society, | and \$100 |
| Dusad | Mihika | CSMA-05 | Radiation Solving the | Computer Science Math | Thomas Jeffers Phillips, Kathy | D.C. Chapter (DC-ANS) | check |
| | | | Admissibility | | | | |
| | | | Problem: Radon | | | | |
| | | | Algorithms to Minimize | | | American Industrial Hygiene Association, | 3rd Certificate and |
| Dusad | Mihika | CSMA-05 | Radiation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Potomac Section (AIHA) | \$100 |
| | | | Solving the Admissibility | | | | |
| | | | Problem: Radon | | | | |
| | | | Algorithms to Minimize | | | | 2nd Certificate and |
| Dusad | Mihika | CSMA-05 | Radiation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Ofinno | \$200 gift card |
| | | | Solving the Admissibility | | | | |
| | | | Problem: Radon | | | Armed Forces Communications and | Honorable |
| | | | Algorithms to | | | Electronics Association, | Mention |
| Dusad | Mihika | CSMA-05 | Minimize Radiation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Northern VA Chapter (AFCEA NOVA) | Letter of Recognition |
| | | | | | • | | |

| | | | EyeLS: A Novel, Accessible Gaze-Tracking Application to Revolutionize Non-Verbal Communicatio | | | Patent and Trademark Office Society (PTO | 1stCertificate |
|-------------|--------|----------|--|-----------------------|--------------------------------|--|--|
| Jain | Soham | CSMA-06 | n for Patients | Computer Science Math | Thomas Jeffers Phillips, Kathy | Society) | of Merit |
| Jain | Soham | CSMA-06 | EyeLS: A Novel, Accessible Gaze-Tracking Application to Revolutionize Non-Verbal Communicatio n for Patients | Computer Science Math | Thomas Jeffers Phillips, Kathy | Institute of Electrical Electronics Engineers (IEEE), Northern Virginia Section | 2nd in Technology Excellence Certificate and \$50 |
| Jain | Soham | CSMA-06 | EyeLS: A Novel, Accessible Gaze-Tracking Application to Revolutionize Non-Verbal Communicatio n for Patients | Computer Science Math | Thomas Jeffers Phillips, Kathy | Aerospace Corporation, | Honorable Mention Invitation to Robert Herndon Science Competition |
| lain | Sohom | CSMA 02 | EyeLS: A Novel, Accessible Gaze-Tracking Application to Revolutionize Non-Verbal Communication | | | Northern Virginia Dental | 2nd Certificate of Merit and \$50 |
| Jain | Soham | CSMA-06 | n for Patients A Novel | Computer Science Math | Thomas Jeffers Phillips, Kathy | Society (NVDS) | Cash Award Honorable |
| Stankiewicz | Samuel | CSMA-07 | Blockchain System and Low-Cost Device for Air Quality Aggregation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Aerospace Corporation, | Mention Invitation to Robert Herndon Science Competition |
| Stankiewicz | Samuel | CSMA-07 | A Novel Blockchain System and Low-Cost Device for Air Quality Aggregation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Institute of Electrical Electronics Engineers (IEEE), Northern Virginia Section | 3rd in Technology Achievement Certificate |
| | | | A Novel Blockchain System and Low-Cost Device for Air Quality | | | Clean Air Partners | 1stCertificate and \$50 gift |
| Stankiewicz | Samuel | CSMA-07 | Aggregation | Computer Science Math | Thomas Jeffers Phillips, Kathy | MWCOG | card |
| Gagvani | Manav | CSMA-08 | Multi-Agent Robotic Path Planning via Particle-based Belief Propagation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Institute of Electrical Electronics Engineers (IEEE), Northern Virginia Section | 2nd in Technology Excellence Certificate and \$50 |
| - - | | | Multi-Agent Robotic Path Planning via Particle-based Belief | | | Aerospace Corporation, | Honorable Mention Invitation to Robert Herndon Science |
| Gagvani | Manav | CSMA-08 | Propagation Multi-Agent Robotic Path Planning via Particle-based Belief | Computer Science Math | Thomas Jeffers Phillips, Kathy | Omega Psi Phi Fraternity, Inc., Omicron Kappa | Competition Charles "Chuck" Smith Award for Excellence in Computer Science and Mathematics Certificate and |
| Gagvani | Manav | CSMA-08 | Propagation | Computer Science Math | Thomas Jeffers Phillips, Kathy | Kappa Chapter | \$50 gift card |
| 0.000 | Manage | 00144 22 | Multi-Agent Robotic Path Planning via Particle-based Belief | Output to Oci. | | Armed Forces Communications and Electronics Association, Northern VA Chapter | 1st Scholarship (amount TBD) and Letter of |
| Gagvani | Manav | CSMA-08 | Propagation | Computer Science Math | Thomas Jeffers Phillips, Kathy | (ALCEANOVA) | Recognition |

| | | | Integrated | | | | |
|------------|-----------|-----------|--|------------------------|-------------------------------|--|--|
| Jun | Secvering | CSMA-09 | Assistive Technology for the Visually Impaired – 3D Scanner with a Tactile Display and Machine Learning | Computer Science Math | Thomas Jeffers Phillips, Kath | Office of Naval Research | \$50 Gift Card, Certificate, and Medal |
| Juli | Seoyoung | CSIVIA-09 | Integrated | Computer Science Matri | Thomas Jeners Philips, Nath | y (US Navy) | and Medai |
| Jun | Seoyoung | CSMA-09 | Assistive Technology for the Visually Impaired – 3D Scanner with a Tactile Display and Machine Learning | Computer Science Math | Thomas Jeffers Phillips, Kath | Aerospace Corporation, y The | Honorable Mention Invitation to Robert Herndon Science Competition |
| Jun | Seoyoung | CSMA-09 | Integrated Assistive Technology for the Visually Impaired – 3D Scanner with a Tactile Display and Machine Learning | Computer Science Math | Thomas Jeffers Phillips, Kath | Institute of Electrical Electronics Engineers (IEEE), Northern Virginia y Section | 2nd in Technology Excellence Certificate and \$50 |
| Motati | Sritan | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | Aerospace Corporation, y The | Honorable Mention Invitation to Robert Herndon Science Competition |
| Khandelwal | Anant | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | Aerospace Corporation, y The | Honorable Mention Invitation to Robert Herndon Science Competition |
| Sood | Siddhant | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | Aerospace Corporation, | Honorable Mention Invitation to Robert Herndon Science Competition |
| Motati | Sritan | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | | 1stCertificate and \$100 gift card per team member |
| Khandelwal | Anant | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | | 1stCertificate and \$100 gift card per team member |
| Sood | Siddhant | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | | 1stCertificate and \$100 gift card per team member |
| Motati | Sritan | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers Phillips, Kath | Armed Forces Communications and Electronics Association, Northern VA Chapter | Honorable Mention Letter of Recognition |

| Khandelwal | Anant | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers | Phillips, Kathy | Armed Forces Communications and Electronics Association, Northern VA Chapter (AFCEA NOVA) | Honorable Mention Letter of Recognition |
|------------|----------|---------|---|--|------------------|-----------------|---|--|
| Sood | Siddhant | CSMA-10 | Diffusion- Based Conditional Mesh Synthesis for Efficient 3D Prototyping | Computer Science Math | Thomas Jeffers I | Phillips, Kathy | Armed Forces Communications and Electronics Association, Northern VA Chapter (AFCEA NOVA) | Honorable Mention Letter of Recognition |
| Zhou | Brian | ETEC-03 | Novel Inverse Control Methods to Optimize Multiple Objectives on Constrained Autonomous Systems | Engineering Technology | Thomas Jeffers | Phillips. Kathv | American Institute of Aeronautics and Astronautics - National Capital Section (AIAA- NCS) | 1stStudent membership in the AIAA, opportunity to attend NASA Goddard Space Experience, and \$25 |
| Zhou | Brian | ETEC-03 | Novel Inverse Control Methods to Optimize Multiple Objectives on Constrained Autonomous Systems | Engineering Technology | Thomas Jeffers I | | Aerospace Corporation, | Honorable Mention Invitation to Robert Herndon Science Competition |
| Zhou | Brian | ETEC-03 | Novel Inverse Control Methods to Optimize Multiple Objectives on Constrained Autonomous Systems | Engineering Technology | Thomas Jeffers | Phillips. Kathv | Office of Naval Research (US Navv) | \$50 Gift Card, Certificate, and Medal |
| | | | A Novel Framework Using GANs to Create Land Resource Management | g ve g ve vig | | ,,,,,,, | Geological Society of | HM |
| Banerjee | Sanchali | ENVE-02 | Strategy AirWise: A Deep Learning Framework for High- Resolution PM2.5 Prediction | Environmental Engineering Environmental Engineering | Thomas Jeffers | | Association for Women Geoscientists (AWG) | "Student Award of Geoscience Excellence" Certificate |
| Pan | Phoebe | ENVE-03 | AirWise: A Deep Learning Framework for High- Resolution PM2.5 Prediction | Environmental Engineering | Thomas Jeffers | 1. | Clean Air Partners | 1stCertificate and \$50 gift card |
| Pan | Phoebe | ENVE-03 | AirWise: A Deep Learning Framework for High- Resolution PM2.5 Prediction | Environmental Engineering | Thomas Jeffers | Phillips, Kathy | Patent and Trademark Office Society (PTO Society) | 1st Raspberry Pi Computer Kit and Certificate of Merit |
| Pan | Phoebe | ENVE-03 | AirWise: A Deep Learning Framework for High- Resolution PM2.5 Prediction | Environmental Engineering | Thomas Jeffers | Phillips, Kathy | Office of Naval Research (US Navy) | \$50 Gift Card, Certificate, and Medal |
| Sumesh | Aaryan | MATS-02 | The Viability of PTCDA as an Active Cathode Material in Lithium-ion and Sodium- ion Batteries | Materials Science | Thomas Jeffers | Phillips, Kathy | Patent and Trademark Office Society (PTO Society) | 1stCertificate of Merit |

| | | | Th - \6 - b : 114 6 | | | | |
|----------|----------|-------------|---|---------------------------|---------------------------------|---|---|
| Sumesh | Agnian | MATS-02 | The Viability of PTCDA as an Active Cathode Material in Lithium-ion and Sodium-ion Batteries | Materials Science | Thomas Jeffers Phillips, Kathy | Office of Naval Research | \$50 Gift Card, Certificate, and Medal |
| Sumesm | Aaryan | IVIA 1 3-02 | Biofilm | Waterials Science | mornas Jeners Philips, Kathy | (US Navy) | and Medai |
| | | | Composition in Fungi Fusarium and Development of a Multitargeted Antifungal Therapy to Inhibit | | | | Certificate and 1 year membership in US Metric |
| Zhang | Ray | MCRO-02 | Proliferation | Microbiology | Thomas Jeffers Phillips, Kathy | U.S. Metric Association | Association |
| Levorson | Madeline | MCRO-03 | Discovery of Medically Important Lytic Bacteriophage s from the Environment | Microbiology | Thomas Jeffers Phillips, Kathy | American Society for Microbiology, Washington DC Branch (ASM) | Honorable Mention Certificate |
| | | | | U, | | | Most |
| Chandran | Neha | PHYS-01 | Linear Polarization- based Entanglement of a Single Photon, 2- Qubit Spatial Mode System | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Yale Science and Engineering Association | Outstanding Exhibit in Science, Technology, Engineering and Mathematics Certificate and Medallion |
| Onanaran | TTOTAL | 1111001 | mode Cyclem | 1 Tryolog and 7 to conomy | moniae echere i miipe, raany | Engineering / tooosiditori | Most |
| Peddinti | Srimaye | PHYS-01 | Linear Polarization- based Entanglement of a Single Photon, 2- Qubit Spatial Mode System | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Yale Science and Engineering Association | Outstanding Exhibit in Science, Technology, Engineering and Mathematics Certificate and Medallion |
| Chandran | Neha | PHYS-01 | Linear Polarization- based Entanglement of a Single Photon, 2- Qubit Spatial Mode System | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Optical Society of America, National Capital Section (OSA) and IEEE, Photonics Chapter | Outstanding Achievement Certificate |
| Chandran | INCIIA | 11113-01 | Linear | 1 Hysics and Astronomy | momas sellers i milips, rauly | Thotonics Chapter | Certificate |
| Peddinti | Srimaye | PHYS-01 | Polarization- based Entanglement of a Single Photon, 2- Qubit Spatial Mode System | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Optical Society of America, National Capital Section (OSA) and IEEE, Photonics Chapter | Outstanding Achievement Certificate |
| | | | Identifying Future Asteroid Mining Targets using a Deep Convolutional Neural | | | Patent and Trademark Office Society (PTO | 1stCertificate |
| Agarwal | Anusha | PHYS-02 | Network Identifying | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Society) | of Merit |
| Agarwal | Anusha | PHYS-02 | Future Asteroid Mining Targets using a Deep Convolutional Neural Network | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Society of Women Engineers, Baltimore Washington Section (SWE- RWS) | Promising Engineer\$15 Target Gift Card |
| gui wui | ,usiid | 1 1110-02 | ITOLVIOIR | , side and Additionly | momac denoted i milipo, itality | 2, | Julu |

| Agarwal | Anusha | PHYS-02 | Identifying Future Asteroid Mining Targets using a Deep Convolutional Neural Network | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Office of Naval Research (US Navy) | \$50 Gift Card, Certificate, and Medal |
|----------|-----------|---------|--|-----------------------|--------------------------------|---|--|
| Agarwal | Anusha | PHYS-02 | Identifying Future Asteroid Mining Targets using a Deep Convolutional Neural Network | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Armed Forces Communications and Electronics Association, Northern VA Chapter (AFCEA NOVA) | Honorable Mention Letter of Recognition |
| Agarwal | Anusha | PHYS-02 | Identifying Future Asteroid Mining Targets using a Deep Convolutional Neural | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Northern Virginia Astronomy Club (NOVAC) | 1st Certificate, \$100 Gift Card, and 1- year NOVAC Membership |
| Agarwal | Anusha | PHYS-02 | Identifying Future Asteroid Mining Targets using a Deep Convolutional Neural Network | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Aerospace Corporation, | Honorable Mention Invitation to Robert Herndon Science Competition |
| Kim | Ryan | PHYS-03 | Hybrid Quantum- Classical Machine Learning for Dementia Detection | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Aerospace Corporation, | Honorable Mention Invitation to Robert Herndon Science Competition |
| Kim | Ryan | PHYS-03 | Hybrid Quantum- Classical Machine Learning for Dementia Detection | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Armed Forces Communications and Electronics Association, Northern VA Chapter (AFCEA NOVA) | Honorable Mention Letter of Recognition |
| Kim | Ryan | PHYS-03 | Hybrid Quantum- Classical Machine Learning for Dementia Detection | Physics and Astronomy | Thomas Jeffers Phillips, Kathy | Washington Statistical Society (WSS) | HM Certificate |
| Marrapu | Archishma | PLNT-02 | Combating Pediatric Leukemia using the Plant Compounds Quercetin and Vincristine | Plant Sciences | Thomas Jeffers Phillips, Kathy | Society for In Vitro Biology | Certificate of Outstanding Achievement for Ability and Creativity in In Vitro Biology |
| Gandhari | Ashrita | PLNT-02 | Combating Pediatric Leukemia using the Plant Compounds Quercetin and Vincristine | Plant Sciences | Thomas Jeffers Phillips, Kathy | Society for In Vitro Biology | Certificate of Outstanding Achievement for Ability and Creativity in In Vitro Biology |