## illuminator

a monthly publication of the batten college of engineering and technology.

volume 1, issue 8



Electrical engineering senior, Kaylee Arceo, describes her team project, "Development of Ultracapacitors for Energy Sources" to an ESPEX visitor

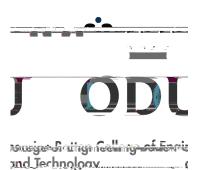
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to follow co\_\_ma\_\_ds. A\_\_
u\_\_ma\_\_\_ed ae ial vehicle able to avoid
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o\_\_ its ow\_\_ A stude\_\_t-built satellite that
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(ESPEX) i\_\_Ap\_\_il.

"What stood out forme was the extraordinary use of technology," said

to Team CubeSat, part of a multiuniversity collaborative project building a constellation of three cubic satellites that will soon be deployed into Low Earth Dit (LE)Co study phenomena that inuence the varying density of the thermosphere.

See more in this brief video:







To say Humberto Areguin Garcia is ambitious might be an understatement. As the award-winning scholar prepares to graduate from Old Dominion University with a Bachelor of Science degree in civil engineering, he is visualizing a possible future outside of engineering.

"Cu rently, I'm doing research for Eastern Virginia Medical School (EVMS). I was inspired through their apprenticeship program, their Medical Spanish service learning program and all the volunteering I've done at the clinics," says Humberto. "If I could learn the art of medicine, I wouldn't have to work a day in my life, because every day I'd be helping someone else."

Bo nin Michoacán Mexico, Humbe to came to the United States eighteen yeas ago. He excelled academically despite often having to change schools as his family moved a ound the count y, living in several different states, because of his father's work in construction

"I did n't mind moving a sound. It gave me the opposturity to meet all kinds of individuals," he said.

## by Noell Saunders

U.S. Seجs. Mark Warzerand Tim Kaize ecently announced the approval of \$1 million in federal funding from the National Science Foundation to help support high-achieving students with demost ated fisascial seed is Old Dominion University's cybe security p.og.am.

The National Science Foundation project is led by Chu she g Xi associate p.ofesso in the Department of Electrical and Computer Engineering; Wu He, associate p ofesso inthe Department of Information Technology and Decision Sciences; Brian Payne, Old Dominion's vice povost for Academic Affairs; Horgyi "Michael" Wu, director of the Center for Cybe secu ity Educatio and Research a\_d; Sha\_a P.ibesh, associate p.ofesso. inthe Department of Education Fou\_datio\_s & Leade ship.

The funding will provide up to 18 schola ships as well as mento ing and p.og.a m activities. Each stude nt will be supported for four years.

Old Dominion President John R. B.ode ick said, "This will help e sure Old Dominion attracts the best and brightest stude ts to a important field with sig\_ifica\_t g\_owth\_pote\_tial."

Ho¬gyi "Mic¬ael" Wu, added: "T¬e success of the project will substantially st.e.,gthe., ODU's cybe.secu.ity p.og.am, att.act top stude\_ts and boost the student etention ate, leading to tassformative chasges is the state of cybe secu ity wo kfo ce p epa ed ess."

اے a joiہt state موےt, Wa جمو می Kai مو said: "E\_su i\_g stude\_ts have the support they need to pursue careers i\_cybe\_secu ity is c itical to buildi\_g ou fede al wo kfo ce a d defe di g the ration's economic and rational secu ity. We are the illed that ODU and the National Science Foundation are partaering to help make that a reality for mo e stude ts."



Waznezis vice chaiznan of the Senate Intelligence Committee and co-founder of the Senate Cybe security Caucus, where he's called forthe protection of consume s' pe sonal information and timely disclosure of data breaches. He also has witte\_legislatio\_seeki\_g to hold credit reporting agencies accountable for breaches.

Kaine, a member of the Senate Amed Se vices Committee, co-chais the Senate Careerand Technical Education Caucus and has advocated policies to piepa e stude ts forca ee's in cybe security and increase schola ships forthem.

Developes, planes, futuists, big data enthusiasts and problem solves gathe ed to help add ess Vi gi ja's g eatest t a spo tatio issues to ough the use of ope\_data sets, i\_cludi\_g Vi\_gi\_ia Department of Transportation's (VDOT) Smarte Roads data portal.

Judged on everything from uniqueness and o iginality to app oach and impact, Old Dominion University's Transportation Resea ch l stitute (TRI) team, made up of civil eagiagee ing as well as modeling, simulation and visualization enginee ing stude\_ts, wo\_awa\_ds i\_the "Safety" and "Vulne able Road Use s" catego ies. The team developed and demonstrated i\_مovative applicatio\_s add essi\_g co\_gestio\_a safety, a\_d t\_a\_spo\_tatio\_ i\_f ast ucture challe\_ges faced by VDOT.

Tդe eveചt seeks to eചgage tդe tecդ community, including develope s, planes, big data, in two days of poblem-

