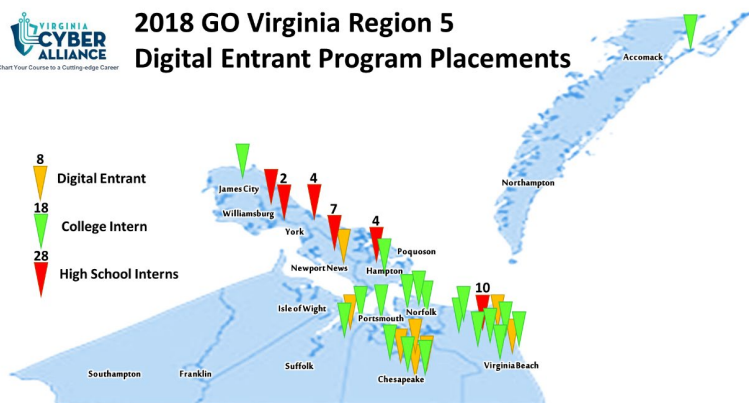


The Virginia Cyber Alliance is a partnership of over 60 industry, government, and academic institutions working to expand GO Virginia Region 5's influence in cybersecurity, data analytics, and unmanned autonomous systems (UAS). The VCA drives economic growth through internships and subsidies (Digital Entrant), outreach (Cyber Trial), and technology assistance (Cyber Arena).

## Digital Entrant Program



### 2018 GO Virginia Region 5 Digital Entrant Program Placements



### High School Internships

- 28 Students completed internships in Year One
- Four High School Districts and eight individual schools benefited from the program
- Peninsula program administration handled by New Horizons Regional Education Center
- Internships can be completed at any time during the calendar year

### College - University - Exiting Military Internships

- Placed 20 out of 20 possible Year One interns
- 9 participating companies
- One intern migrated to Digital Entrant Program – now a full time employee!
- Three exiting military / National Guard placements
- Program marketed and administered through the Virginia Space Grant Consortium (also administers Commonwealth STEM Industry Internship Program and other opportunities)
- Internships available any time during the calendar year



Interns with Sentara Healthcare



New Digital Entrant with MI Technical Solutions

### Digital Entrant New Employee Salary Subsidies

- SMASHED first year goal for digital entrants – 8 new full-time employees!
- Five companies currently benefiting from the program. All report very high satisfaction
- Employing companies receive 1/2 of first year's salary (up to \$30K) for employees in new positions as planned professional milestones are completed
- Participating employees accomplish professional goals and agree to remain with the company working in the field for a second (unsubsidized) year
- Three of eight available positions for Year Two already in queue



### Cyber Trail Outreach



Sponsored Cybersecurity events

- Launched the Virginia Cyber Alliance Website: <https://virginiacyberalliancecareers.org/>
- Led a workshop focused on cybersecurity internship and apprenticeship programs
- Sponsored one (1) Cyber Capture the Flag event with Old Dominion University for high school and college teams
- Sponsored cybersecurity conferences at Thomas Nelson Community College and one with Old Dominion University
- Numerous meetings with businesses, local government agencies, and civic organizations to share information on Virginia Cyber Alliance Opportunities

### Cyber Arena (laboratory) support

- Designed and stood up the Unmanned autonomous Surface Vehicle Lab
- Actively working with three participating companies on individual projects
- One participating company (SimIS, Inc.) contracted with the City of Portsmouth to develop Use of Force (UOF) robot platform
- Informal Unmanned Autonomous System association formed. Four participating companies and ODU currently working on a proposal to the National Science Foundation
- Hosting Internet based SCADA training system for professional development. System developed by partnership with Peregrine Technical Solutions with the University of Alaska Southeast
- Arena supported WAMV (Wave Adaptive Modular Vessel) waterborne autonomous vehicle placed well in Robotics X competition held in Honolulu (vehicle provided by the Office of Naval Research with development and travel funded independently of VCA)



WAMV waterborne autonomous vehicle in Honolulu, HI



Interns with G2OPS



Cybersecurity Conference



Cyber Workshop on Internships and Apprenticeship Programs

