



LCPS CAREER & APPRENTICESHIP FAIR

EXPLORE

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Registered
Apprenticeships,
Businesses, Military
and Organizations

Women in STEM
presentations by
Amazon Web Services

April 3, 2019

6pm – 8pm

Academies of
Loudoun

Sponsored by:

ManTech[®]

Securing the Future

Women in STEM

Presented by Amazon Web Services

6:30 p.m. – 7:00 p.m. & 7:30 p.m. – 8:00 p.m.
Auditorium



Yanyu Zheng is a Business Intelligence Engineer at the Tools and Technology Team of Infrastructure Delivery/Global Planning and Business Operations. Ms. Zheng's role is comprised of coding, customer communication, and process improvements. Ms. Zheng has been with AWS for a little over a year. Prior to joining AWS, Ms. Zheng was a full stack software developer at NIH, supporting the eRA (electric research administration) system. Ms. Zheng received her B.S. in Applied Mathematics in China and her M.S. in Statistics from Columbia University.



Patti Shoefstall is a Data Center Operations Manager at AWS and has been in this role for over two years. Prior to joining AWS, Ms. Shoefstall worked as a Senior Chief Engineer for Digital Reality; a Site Manager II: Fluor Government Group, LOGCAP Afghanistan; a Senior Project Manager for Louis Berger Group; and a 25 Year Retired Chief Warrant Officer Four for the Corp of Engineers.

Ms. Shoefstall's achievements include but are not limited to: the Legion of Merit, Bronze Medal with oak leaf cluster; Meritorious Service Medal with oak leaf cluster; Joint Service Commendation Medal with 6 oak leaf clusters; Army Achievement Medal with 7 oak leaf clusters; and the Humanitarian Service Medal. Ms. Shoefstall received her B.A. in Sociology and minor in Business Administration from Excelsior College and her M.S. in Emergency Management from Toro University.

What is an Apprenticeship?

Registered Apprenticeship was established in Virginia in 1938. The Virginia Department of Labor and Industry maintains approximately 15,000 apprentices serving in the private and public sectors, and in the military settings. Approximately 2,200 employers participate as sponsors of Registered Apprenticeship programs.

Apprenticeships include on-the-job training with hands-on training from an experienced mentor at the job site. Those who enter apprenticeship programs are paid while they learn.

Traditional Registered Occupations

- Electrician
- Maintenance
Mechanic
- Cosmetologist
- Plumber
- Welder
- Dispensing Optician
- Line Erector
- Barber
- Shipfitter
- Crane Operator
- Heavy Equipment
Operator
- Highway Inspector

Expanded Registered Occupations

- IT/Cybersecurity
- Hospitality
- Water Treatment
- Early Childhood
Education
- Investigation

Youth Registered Occupations

- Fleet Management
- Culinary
- Wastewater Operator
- Automotive
- Landscaping

Information obtained from the Virginia Department of Labor and Industry.

Participants – Registered Apprenticeships

Name	Career Cluster	Opportunities	Location
Acme Mechanical	Architecture & Construction	Participates in apprenticeship program	Purple Zone
Associated Builders and Contractors	Architecture & Construction; Education & Training	Job Shadowing, Mentorship, Registered Apprenticeship	Purple Zone
Beckstrom Electric	Architecture & Construction	Internship, Registered Apprenticeship	Purple Zone
CapMec	Architecture & Construction	Registered Apprenticeship	Purple Zone
Ennis Electric	Architecture & Construction	Internship, Registered Apprenticeship	Purple Zone
International Brotherhood of Electrical Workers, Local 26	Architecture & Construction	Registered Apprenticeship	Purple Zone
Laborers International Union of North America (LIUNA)	Architecture & Construction	Registered Apprenticeship	Purple Zone
M.C. Dean	Architecture & Construction; Information Technology; Law, Public Safety, Corrections & Security	Internship, Registered Apprenticeship, Summer employment opportunities	Yellow Zone
The Tustin Group	Architecture & Construction; Business Management & Administration; Architecture & Construction;	Apprenticeship, Internship	Yellow Zone
VA Department of Labor & Industry	Education & Training; Information Technology; Manufacturing	Registered Apprenticeship	Yellow Zone
WA Hazel	Architecture & Construction	Job Shadowing, Internship, Registered Apprenticeship	Yellow Zone

**See map on back of program*

Participants – Businesses & Organizations

Name	Career Cluster	Opportunities	Location
Amazon Web Services	Information Technology; STEM		Orange Zone
Apple Federal Credit Union	Finance	Mentorship, Internship	Orange Zone
Architecture, Incorporated	Architecture & Construction	Job Shadowing	Orange Zone
Belmont Country Club	Agriculture, Food & Natural Resources; Hospitality & Tourism	Job Shadowing, Summer employment opportunities	Orange Zone
Body by Wayne	Health Sciences	Mentorship, Internship, Summer employment opportunities	Orange Zone
Chesapeake Sprinkler Company	Architecture & Construction; STEM	Summer employment opportunities	Orange Zone
Chugh LLP	Finance; Law, Public Safety, Corrections & Security	Internship	Orange Zone
Cisco Systems	Information Technology; STEM	Mentorship, Internship, Cooperative Education	Orange Zone
Defense Intelligence Agency	STEM	Internship	Red Zone
Eclips Salon	Education & Training; Human Services	Job Shadowing, Mentorship, Advanced skill/training mentorship	Red Zone
EIT	Manufacturing	Internship	Red Zone
Environmental Enhancements, Inc.	Agriculture, Food & Natural Resources; Architecture & Construction	Job Shadowing, Mentorship, Internship	Red Zone

**See map on back of program*

Participants – Businesses & Organizations

Name	Career Cluster	Opportunities	Location
Fairfax Home Health Care	Health Sciences; Human Services	Job Shadowing, Internship, Clinical Experience	Red Zone
Ford's Fish Shack	Hospitality & Tourism	Job Shadowing, Summer employment opportunities	Red Zone
Fuel & Tire Saver Systems	STEM	Job Shadowing, Mentorship, Service Learning, Internship, Cooperative Education, Summer employment opportunities	Red Zone
Geospatial Research Laboratory / Engineer Research and Development Center / US Army Corps of Engineers	Information Technology; STEM		Red Zone
Heritage Hall Skilled Nursing Facility	Health Sciences	Job Shadowing, Mentorship, Service Learning, Internship, Clinical Experience	Red Zone
HIS Sign, LLC	Human Services	Mentorship	Red Zone
Holder Construction	Architecture & Construction		Gray Zone
International Clinic – Dentistry	Health Sciences		Gray Zone
IT Cadre	Business Management & Administration; Information Technology; STEM		Gray Zone
Keller Williams Realty	Business Management & Administration; Education & Training; Marketing	Job Shadowing, Mentorship, Leadership training for high school and college-aged students	Gray Zone
LCPS School Nutrition Services	Agriculture, Food & Natural Resources; Business Management & Administration	Job Shadowing, Internship	Gray Zone

**See map on back of program*

Participants – Businesses & Organizations

Name	Career Cluster	Opportunities	Location
LCPS Human Resources & Talent Development	Arts, A/V Technology & Communications; Business Management & Administration; Education & Training; Finance; Government & Public Administration; Health Sciences; Human Services; Transportation, Distribution & Logistics	Educators Rising, Teacher Cadet Program	Gray Zone
Life Safety Solutions Integrators	Architecture & Construction; Information Technology	Job Shadowing	Pink Zone
Loudoun County Animal Services	Agriculture, Food & Natural Resources; Government & Public Administration; Law, Public Safety, Corrections & Security	Job Shadowing	Pink Zone
Loudoun County Clerk of the Circuit Court	Government & Public Administration; Law, Public Safety, Corrections & Security	Job Shadowing	Pink Zone
Loudoun County Fire & Rescue	Government & Public Administration; Law, Public Safety, Corrections & Security		Pink Zone
Loudoun County Sheriff's Office	Government & Public Administration; Law, Public Safety, Corrections & Security	Job Shadowing, Mentorship, Internship, Registered Apprenticeship	Pink Zone
Loudoun Workforce Resource Center			Pink Zone
ManTech	Information Technology; STEM	Internship	Orange Zone
Marriott	Hospitality & Tourism	Internship	Pink Zone
Moon River Nursing Careers	Education & Training; Health Sciences; Human Services	Mentorship, Service Learning, Internship, Clinical Experience	Pink Zone
Mosby Heritage Area Association	Education & Training; Hospitality & Tourism	Internship	Blue Zone

**See map on back of program*

Participants – Businesses & Organizations

Name	Career Cluster	Opportunities	Location
PatientPop	Marketing	Internship	Blue Zone
Captain Peter Branower, Pilot	Transportation		Blue Zone
Potomac Tree & Shrub Care	Agriculture, Food & Natural Resources	Job Shadowing, Internship, Summer employment opportunities	Blue Zone
Raytheon	Business Management & Administration; Information Technology, STEM	Job Shadowing, Internship	Blue Zone
Sight & Sound Systems, Inc	Architecture & Construction; Arts, A/V Technology & Communications	Job Shadowing, Internship, Summer employment opportunities	Blue Zone
Target Optical	Health Sciences	Summer employment opportunities	Blue Zone
The Fitness Equation	Human Services	Job Shadowing, Internship	Blue Zone
The Good Shepherd Alliance	Human Services	Volunteer opportunities	Blue Zone
The National Conference Center	Hospitality & Tourism	Job Shadowing, Internship	Blue Zone
The New Ag School	Agriculture, Food & Natural Resources; Education & Training; Hospitality & Tourism	Mentorship	Yellow Zone
Top Level Engineering, LLC	STEM		Yellow Zone
VISA	Business Management & Administration; Finance; Information Technology; STEM		Yellow Zone

**See map on back of program*

Participants – Businesses & Organizations

Name	Career Cluster	Opportunities	Location
WTOP	Arts, A/V Technology & Communications	Job Shadowing	Yellow Zone
Air Force	All Clusters		Green Zone
Army	All Clusters		Green Zone
Coast Guard	All Clusters		Green Zone
Marines	All Clusters		Green Zone
Navy	All Clusters		Green Zone
VA National Guard	All Clusters		Green Zone

**See map on back of program*

Preparing for the Future

Loudoun County Public Schools is dedicated to developing knowledgeable, critical thinkers, communicators, collaborators, creators, and contributors. Academic and career planning is part of that process. School counselors and Career Center Specialists use *Naviance Student*, the college and career readiness software used in all middle and high schools. This is utilized to allow students to engage in self-exploration, career exploration, and skill development that will assist in accomplishing their personalized goals. Beginning in 7th grade, students participate in academic and career planning activities to ensure they are college and/or career ready upon graduation through assigned tasks to be completed both in school and at home. More information about *Naviance Student* for middle and high school students can be found in your school's counseling office.

Notes:

