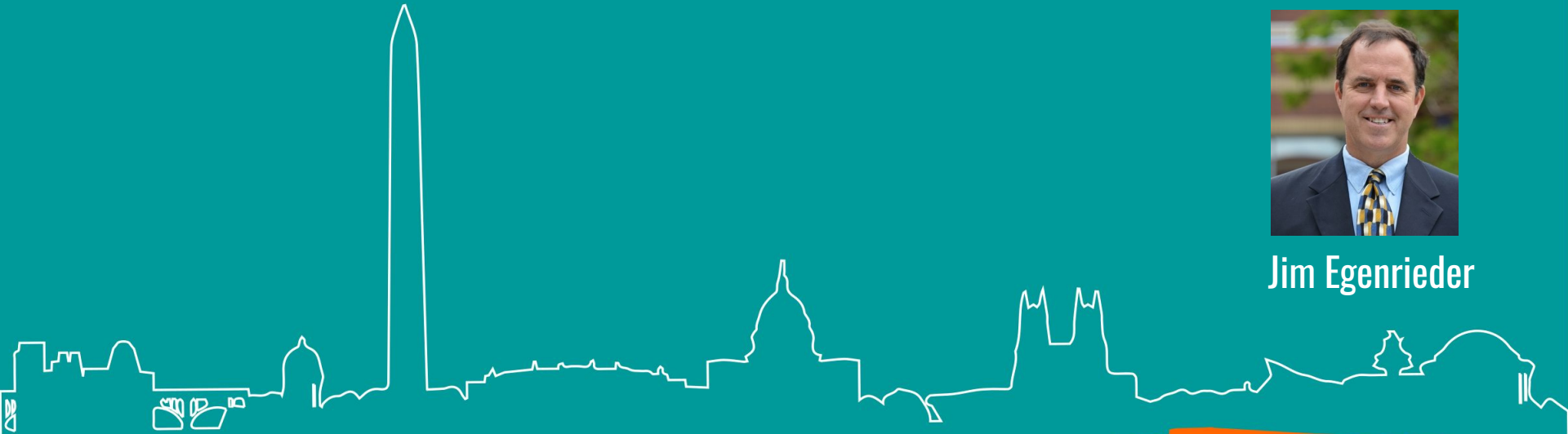




Jim Egenrieder



ENGINEERING EDUCATION



NATIONAL CAPITAL REGION  
VIRGINIA TECH™

# High School and Undergraduate Internships

Internships representing:

- Alexandria City
- Arlington County
- DC Public Schools
- Falls Church City
- Fairfax County
- Loudoun County
- Prince George's Co., MD
- Prince William Schools
- Virginia Tech
- Other regional universities



# Workforce Experiential Learning Partnerships

- **Building to Teach / Teaching with Small Boats (6-12)**  
(Teaching Science, Math, and Technology)
- **DoDEA X-STEM and US STEM, Old Crows**  
(Regional Partnerships)
- **IOT and Smart Cities / STEM Activities and Events**  
(HS STEM Event and Legislative Events)
- **Urban Alliance and On-Ramps to Careers**  
(Technical Career Exploration, Entrepreneurship)
- **Leadership Fairfax, Leadership Arlington**
- **Girls' Cybersecurity Initiatives**
- **Senior Experience programs**



# Internships and Mentorships

## *Opportunities for Interns:*

- Demystify adult workspaces
- Patterns in processes, behaviors, teams, and supervision
- Build relevance between education and adult life
- Reinforce workforce pathways
- Demystify adult life



# Online (Virtual) Internship Strategies

## Virtual Internship Schedule:

- 1 -2 hours face-time (Zoom calls at 12 noon and 4pm)
- 1-2 hours skills development (programming languages, microelectronics)
- 1-2 hours independent

## Project-Based Work

## Mentor Training and Backup

## Online collaboration and reporting tools (Docs, Sheets, Slides)

# Important Areas for Experiential Learning Research

## *Opportunities for Employers:*

- Corporate ROI
- Mentorship Training
- Rising/Emerging Leaders Programs
- Pedagogy/Andragogy for Young Adults



For more information:

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Breakout Room: - <https://zoom.us/j/5059456416>



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