

Inspire

Mapping MN's Tech Talent Programs

- Lisa Schlosser, Technology Community Advocate
- Jenna Gilbert, Lead Program Manager, Tech Talent at Target



Jenna Gilbert, Lead Program Manager, Tech Talent Target

- Driven to improve diversity, equity, and inclusion in tech
- Leader of technical talent development programs
- 10+ years directly leading technical talent
- 20+ years in various tech roles
- MBA from University of Minnesota
- BS in Computer Science from University of Michigan



Lisa Schlosser, Technology Community Advocate (aka, kinda retired)

- Passionate about women in technology
- Sharer of time, talents, and treasures
- Strong business acumen and technology skills
- 30+ years at Thomson Reuters
- Interim CEO and President of MN Tech 2019
- Executive Director, Technovation[MN] 2019-2021
- MN Tech Board member 2010-2019
- AnitaB.org board member 2015-2019
- Science Museum of Minnesota 2016 – 2021; emeritus



Today's Goals



Inspire you to get involved in supporting students in MN (from K through University)



Show you how to get involved – Join the movement to partner and engage in the programs highlighted in the new website



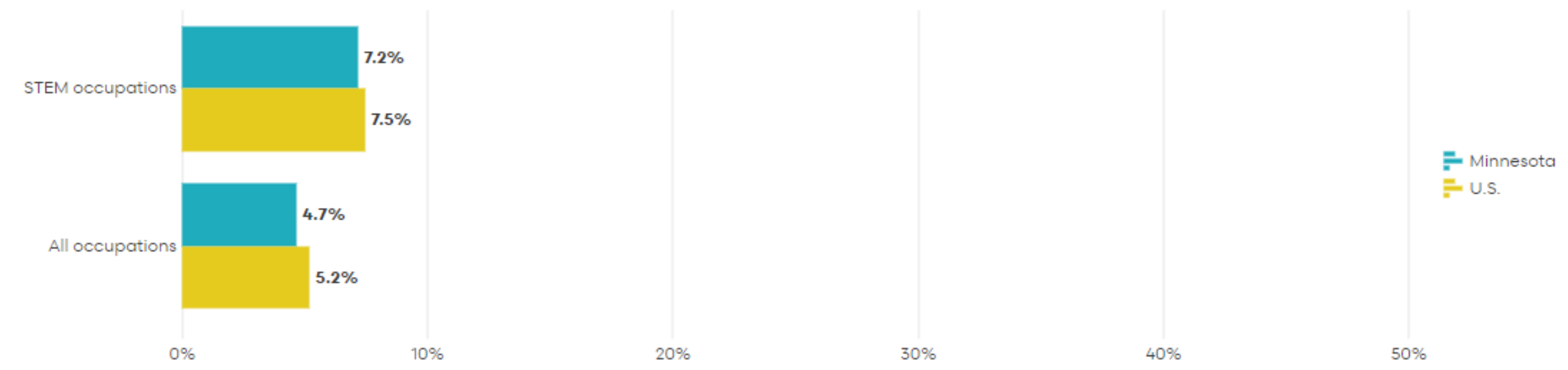
Motivate you to create new partnerships and advocate for STEM in MN

Early STEM Programs are critical to our future

When students report that they spend at least an hour a week studying computer science at school, they are more likely to see the importance of learning computer science.

Projected percent change in employment

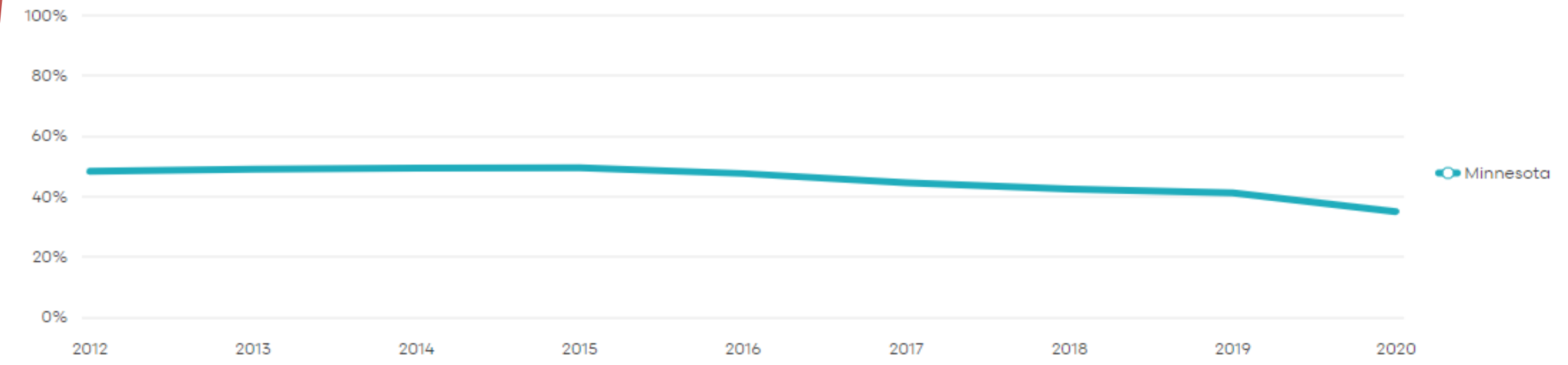
Minnesota and U.S., 2018-2028



The number of STEM jobs is expected to grow at a faster rate than the number of non-STEM jobs over the next decade, both in MN and in the U.S..

High school graduates who are interested in STEM

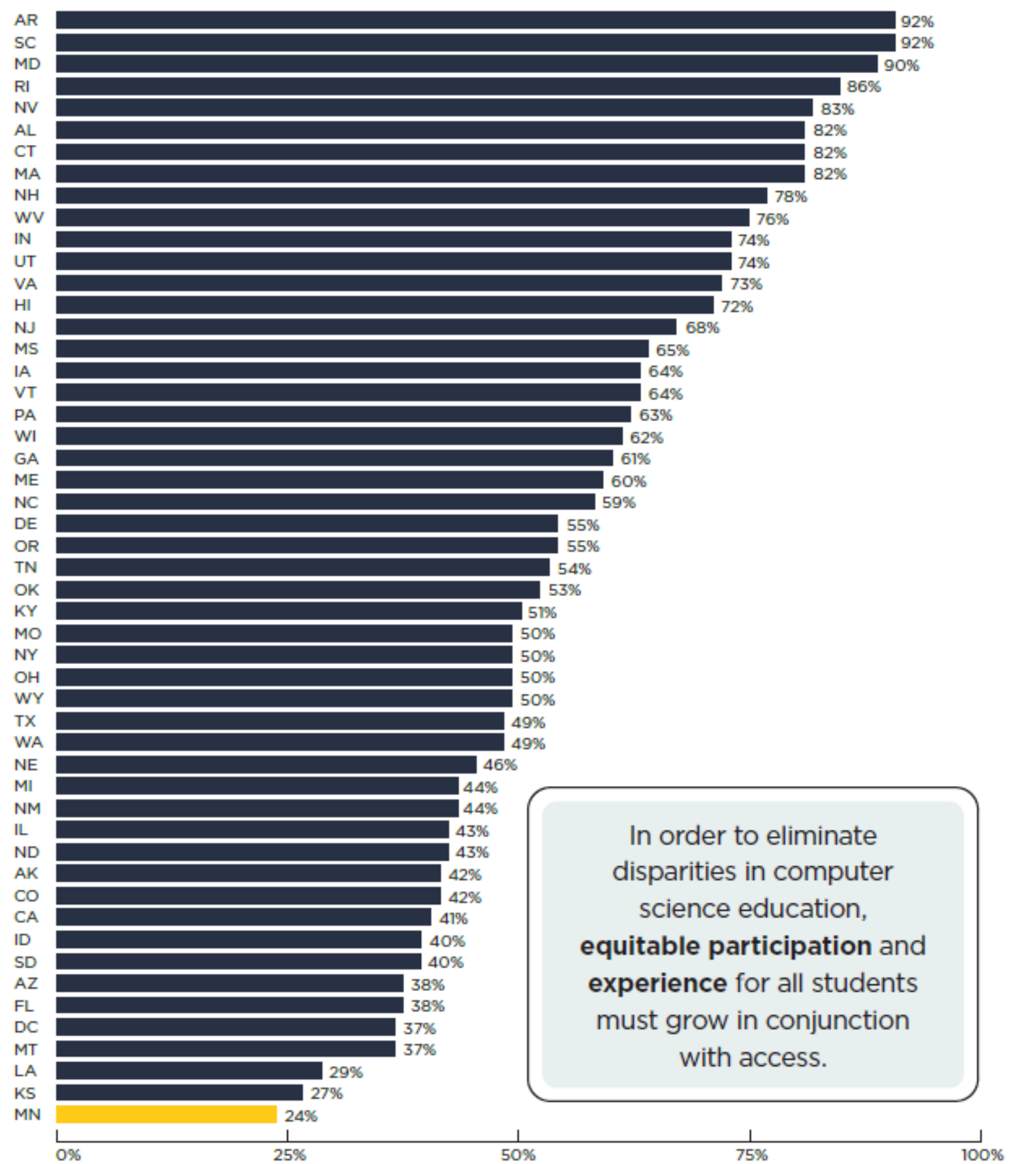
Minnesota, 2012-2020



The share of Minnesota high schoolers who are interested in STEM has declined in recent years.

Minnesota is
 LAST
 in offering Computer
 Science in
 High School

High Schools Offering Computer Science by State



In order to eliminate disparities in computer science education, **equitable participation and experience** for all students must grow in conjunction with access.

For more details on policy, access, and participation, see the full 2021 State of Computer Science Education report at advocacy.code.org/stateofcs





Spark Interest

Encourage Curiosity

Foster Continued Education and Connection

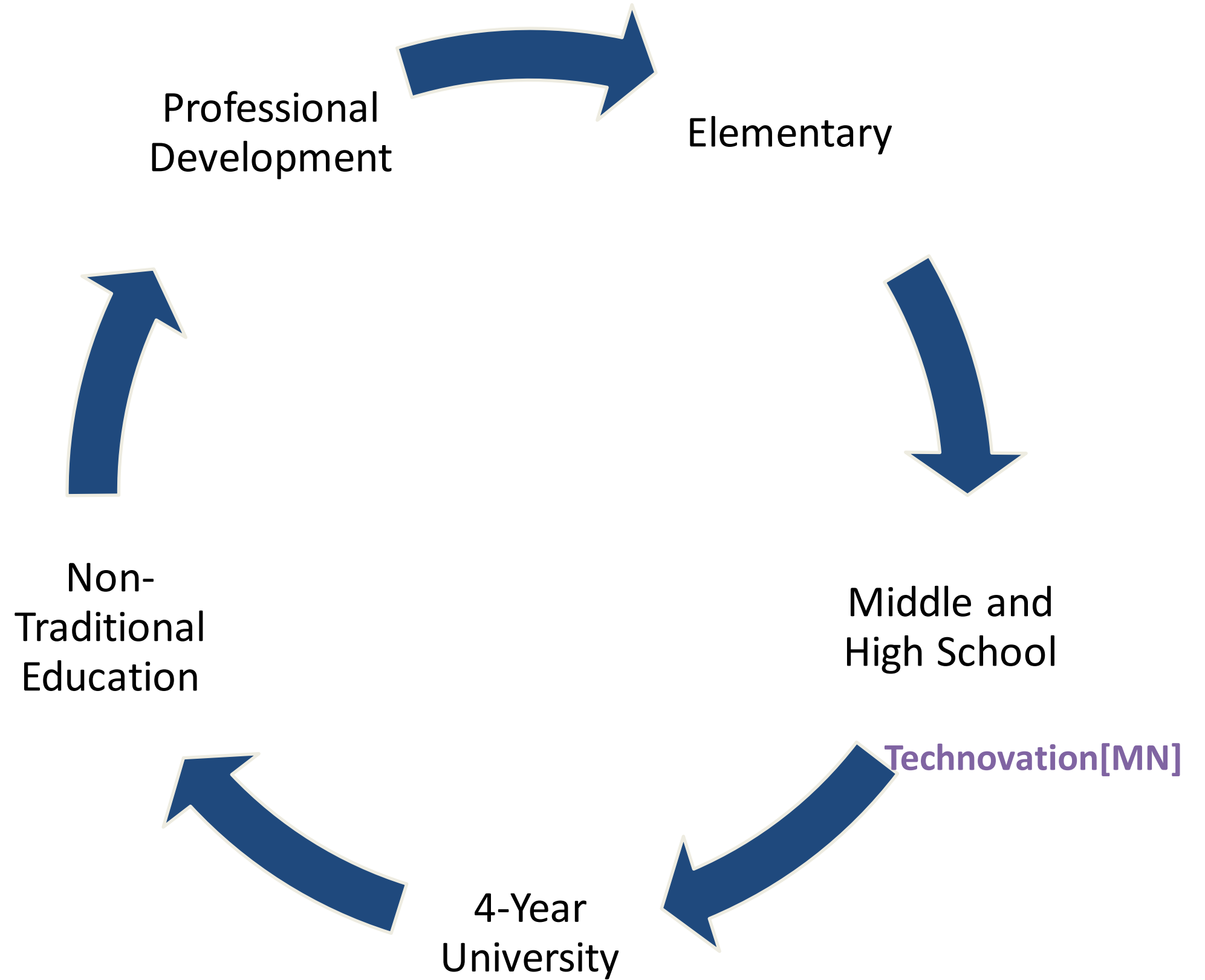
And Numerous Others



Technovation[MN] inspires girls 10-18 to build technology to solve challenges in their communities

Success of these programs requires outstanding community partnership

**And that does
NOT just mean
\$\$**



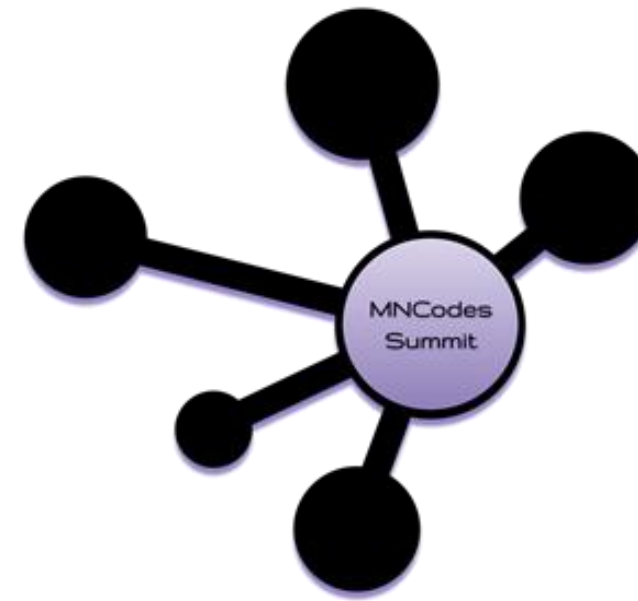


Code Savvy™



Technovation[MN]

technovationmn.org



IDEATION

Identify a problem in the community

TECHNOLOGY

Develop a mobile app solution

ENTREPRENEURSHIP

Build a business plan to launch the app

PITCH

Bring the business to market





Cargill Women in Information Technology (CWIT) partnered with Technovation[MN] to highlight girls whose apps are focused on Cargill's mission, nourishing the world (animals, humans and plants).



U.S. Bank has partnered with Technovation[MN] for 6 years to highlight girls who demonstrate apps that incorporate one or more of the elements of the U.S. Bank Community Pillars, including *work* (e.g. workforce education, economic prosperity, entrepreneurship and financial literacy), *home* (e.g. neighborhood stability & revitalization), and *play* (e.g. arts, culture and recreation).



This partnering opportunity is helping to build a new curriculum and infrastructure for an additional tech track for Technovation[MN]. This less intensive track will be easier to introduce to underrepresented students and will be leveraged for in-class instruction through the MN Codes program. Thomson Reuters employees engaged in mentoring and judging.



This partnering opportunity provides an advanced tech track for more skilled participants. Girls create an Alexa Skill that has a positive impact on the environment, local community or the world. Amazon experts serve as mentors to each team.

Opportunity!

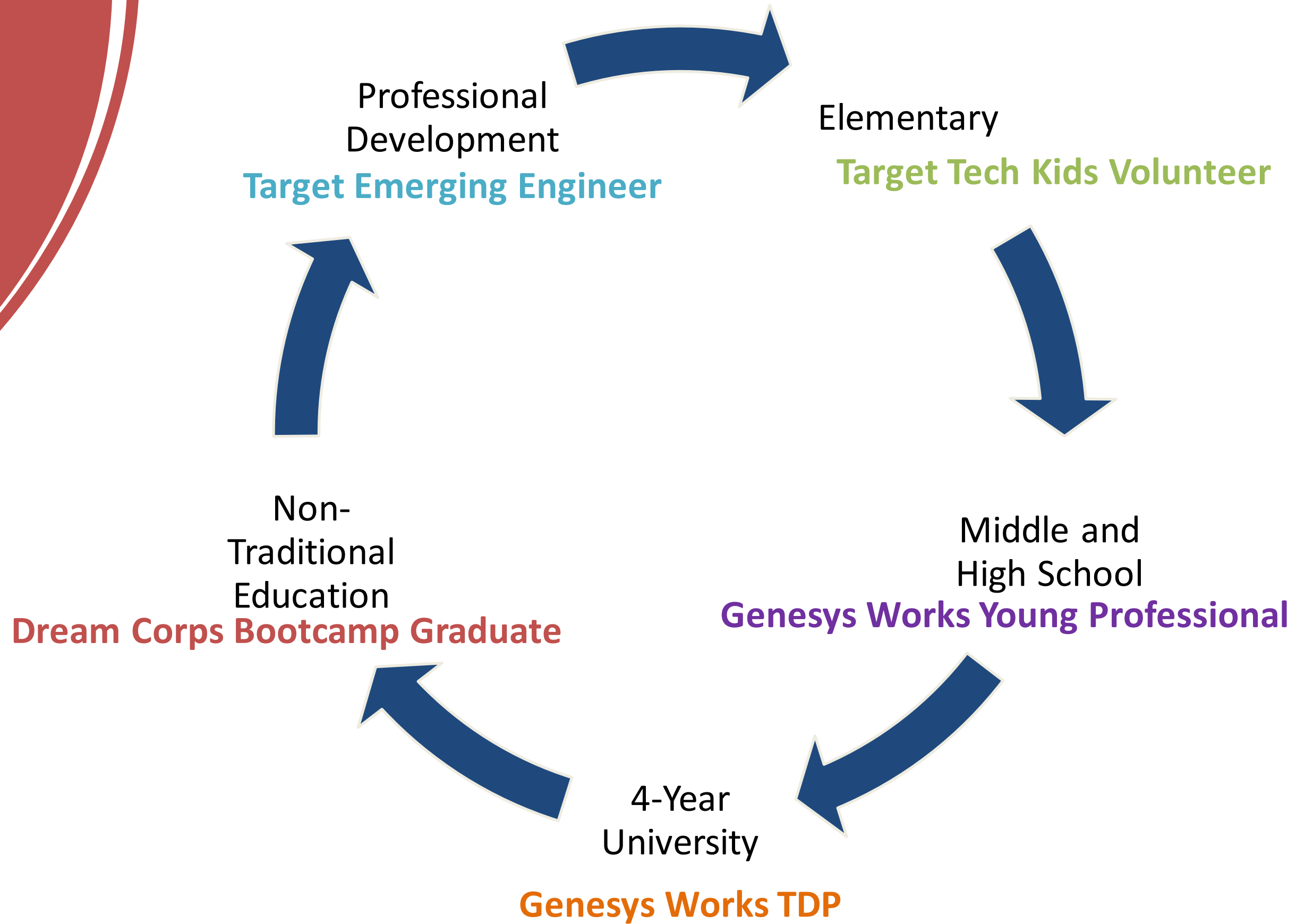
- Girls obtain feedback from outstanding Minnesota business leaders and grow their networks
- Teams practice live pitches before Appalooza in a boardroom
- Girls build understanding of culture and technology at leading businesses
- Business build relationships with the future workforce
- Girls broaden their technology skill development and entrepreneurial skills
- Businesses invest in girls at an influential time in their skills development process.
- New tech tracks bring a more diverse set of students to achieving one hour of code a week.



Technovation[MN]

How Target partners with several programs to strengthen and diversify our Technical Talent Pipeline

Success through partnership, connection and long-term commitment





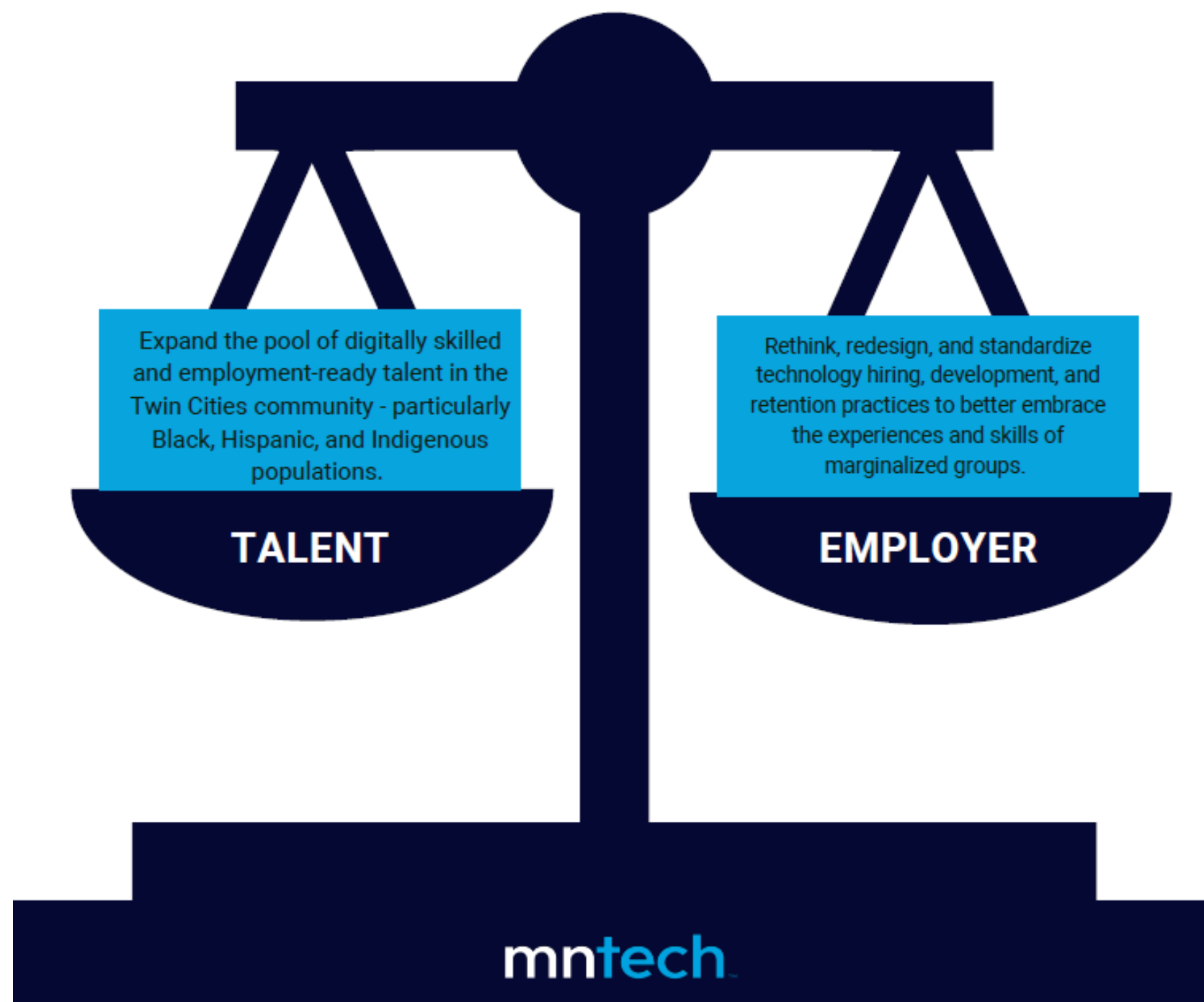
WHAT IS TIA?

TIA is a CIO/CTO-led consortium working together to nurture and expand a diverse pool of local technology talent in the Twin Cities community.

MNTECH & TIA PARTNERSHIP

MnTech will lead, plan and orchestrate the consortium. TIA's role is to advise, sponsor, influence and implement initiatives.

mntech



MNTech Connect

Data collected through TIA efforts which seeded 68 organizations for the initial launch

Features Learning pathways k-12, Post-secondary, and Tech Skills Training

Applications for All Audiences

- **Students and Parents** – Find and participate in new programs
- **Businesses** – Identify partnering opportunities
- **Community Leaders** – Look for volunteer opportunities
- **Recruiters** – Identify programs for specific skill development



Tech Ecosystem Map

Explore Minnesota's tech ecosystem and find the next step in your path to a career in tech.

Learning Pathways

K-12

Take the first step in discovering your place in STEM.

K-12 programs

Post-secondary

Explore and jumpstart your career through tech focused programs.

Post-secondary programs

Tech Skills Training

Get job ready through bootcamps and other tech training programs.

Training academics

Special Thank you to the Pro Bono Efforts of:



Madhu Shanmugam,
Architect Senior Manager



Bridget Drummond,
Product Manager



Megan Tanck,
Lead Product Designer

Call to Action

For Organizations

Use the [Ecosystem Map Form](#) to either validate your organizations information or register your organization

For Companies

Go to Connect.MNTech.org to find the organization you want to support

**The future of our Tech Workforce
depends on these connections**

Reference Reports

- Code.org - [State of Computer Science Education 2021](#)
- MN Compass – [STEM in Minnesota](#)
- Gallop and Code with Google - [Current Perspectives and Continuing Challenges in Computer Science Education in US K-12 schools](#)

tech•talent™

inspire > hire > develop > retain

Questions?

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