

Computer Science & Informational Technology Resources



Advocates for Computer Science/Informational Technology

Computer Science Teachers Association - Gopher State Chapter (MN)

The Computer Science Teachers Association is a membership organization that supports and promotes the teaching of computer science and other computing disciplines. CSTA provides opportunities for K–12 teachers and students to better understand the computing disciplines and to more successfully prepare themselves to teach and learn.

gopherstate-csta.wikispaces.com

Code.org

Code.org is a non-profit dedicated to growing computer programming education. Their vision is that every student in every school has the opportunity to learn how to code. They believe computer science and computer programming should be part of the core curriculum in education, alongside other science, technology, engineering, and mathematics (STEM) courses, such as biology, physics, chemistry and algebra.

www.code.org

National Center for Women & Information Technology (NCWIT)

The National Center for Women & Information Technology is a non-profit community of more than 575 universities, companies, non-profits, and government organizations nationwide working to increase women's participation in computing and technology.

www.ncwit.org

Black Girls Code

The Black Girls Code mission: to introduce programming and technology to a new generation of coders, coders who will become builders of technological innovation and of their own futures.

www.blackgirlscode.com

Hardware Providers

Minnesota Computers for Schools (MCFS)

Minnesota Computers for Schools works collaboratively with schools and educationally focused community organizations to provide technology solutions and skills training to individuals in need. MCFS operates under the principle that all students deserve equal access to the technology necessary to develop the skills, knowledge and confidence required for success in school, the community and the workforce.

mncfs.org/

PCs for People

PCs for People is attempting to improve digital inclusion by eliminating the number of individuals without a computer or access to internet in the home. As a 501 (c)(3) non-profit organization, their mission is to create new opportunities by providing affordable personal computers, computer repairs, internet service, and education to people with limited technological experience due to social, physical, or economic circumstances.

www.pcsforpeople.com

IT Workforce Initiatives

Minnesota PIPELINE project - (*Private Investment, Public Education, Labor and Industry Experience*)

PIPELINE is designed to move the focus outside of traditional apprenticeship industries to new areas of economic demand and potential growth. The goal is to develop a path for individuals to obtain a degree and career. Plus, allow employers to obtain highly-trained workers in needed areas of advanced manufacturing, agriculture, healthcare services and information technology.

www.dli.mn.gov/pipeline.asp

Minneapolis Employment and Training Coding Bootcamps

City of Minneapolis Employment and Training and the Minnesota High Tech Association will develop coding bootcamps with input from tech employers to ensure the training meets current and future industry needs.

www.ci.minneapolis.mn.us/cped/metp/WCMS1P-129028

IT Workforce Providers Program Providers

Creating IT Futures

As the 501(c)3 philanthropic arm of CompTIA (non-profit trade association of the IT industry), the Creating IT Futures Foundation invents better on-ramps to IT careers for those who are lacking job opportunity. They particularly encourage an IT path for populations that have traditionally have been under-represented in the information technology workforce, such as women and ethnic minorities.

www.creatingitfutures.org

Advance IT Minnesota

Advance IT Minnesota works to increase the size and quality of the Minnesota IT workforce by promoting IT career interest and readiness among secondary students, leading collaborative efforts with employers and educators aimed at improving alignment of student learning outcomes with the needs and expectations of IT employers, and enhancing career success of students and alumni by providing career development opportunities.

www.advanceitmn.org

STEP-UP Achieve

STEP-UP Achieve is the nationally-recognized City of Minneapolis summer jobs program for youth ages 16-21. Managed in partnership with AchieveMpls, STEP-UP Achieve recruits, trains, and places low-income Minneapolis youth with diverse skills and interests in jobs with top Twin Cities businesses. STEP-UP Achieve helps the IT sector tap into a highly capable and creative future workforce by partnering with companies to provide internship and career exposure opportunities in the IT field.

www.achievempls.org/stepupachieve

Genesys Works

Genesys Works is a 501(c)3 not-for-profit organization that enables inner-city high school students to break through barriers and discover through meaningful work experience that they can succeed as professionals in the corporate world.

www.genesysworks.org

Maverick Software Consulting

Maverick Software Consulting is a first-of-its-kind program that brings together top computer science students with corporations seeking U.S.-based software development and testing talent.

www.mavericksoftware.com

Genesis 10

Genesis10 helps companies develop their next-generation workforce by recruiting, training and mentoring U.S. military veterans and recent college graduates.

www.genesis10.com

K-12 Computer or Coding Program Providers

Code Savvy

Code Savvy is a not-for-profit organization inspiring kids and teens to become code-savvy, that is, to understand the kind of creative thinking that goes into coding, and to try out programming computers and devices. Code Savvy is determined to bring more diversity -- gender and ethnic diversity -- to computer science.

www.codesavvy.org

CoderDojo Twin Cities

CoderDojo is a global movement about providing free and open learning to youth, with an emphasis on computer programming. The Twin Cities chapter was founded to bring this movement to the Minneapolis-Saint Paul area, inspire other chapters, and partner with other organizations to better introduce kids to coding.

www.coderdojotc.org

Digital Empowerment Academy

The Digital Empowerment Academy is a digital literacy initiative in Minneapolis that works to enable youth to become savvy creators of digital content.

www.digitalempowermentacademy.org

BDPA (Black Data Processing Associates)

BDPA (Black Data Processing Associates) is a non-profit organization of professionals working in or having an interest in the Computer Science and Information Technology fields. BDPA provides coding classes to high school students of all ethnicities.

www.bdpa.org

Rêve Academy

Rêve Academy, is an innovative out-of-school program focused on providing a pathway to careers in digital marketing. The program couples immersive curriculum with relevant experience to create marketable talent. It is founded on the belief that kids can lead us into the future.

www.reveacademy.org

High Tech Kids

High Tech Kids is a nonprofit that supports the Minnesota Renewable Energy Challenge, Minnesota FIRST LEGO League, and Minnesota FIRST Tech Challenge each fall/winter.

www.hightechkids.org