

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.

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.

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.

blackgirlsgcode.com

Girls Who Code

Girls Who Code programs work to inspire, educate, and equip girls with the computing skills to pursue 21st century opportunities.

girlswhocode.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.

pcsfpeople.com

Tech Dump

Tech Dump, a division of Jobs Foundation, is a 501(c3) nonprofit providing stable jobs to economically disadvantaged adults to obtain marketable job skills as well as a pathway to self-sufficiency. Tech Dump offers quality used desktops and laptops at great prices. Tech Dump refurbishes computers in Minnesota. All of their items are covered by a 30-day money back guarantee.

techdump.org/sales/refurbished-computers-mn/

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.
dli.mn.gov/pipeline.asp

MSP TechHire

The mission of a collective of Twin Cities organizations and agencies is to close the workforce skills gap in the high tech economy by building a path for diverse workers to access training, support, and tech jobs across the Twin Cities region.
ci.minneapolis.mn.us/cped/metp/WCMS1P-129028

IT Career Academies

Career Academies are re-imagining education for high school students by improving graduation rates and preparing the next generation to assume key roles in our workforce. Career Academies is a comprehensive method using cross-sector partnerships to prepare students for academic and workplace success and supply future workforce needs of local employers.
gtcuw.org/story/career-academies/

IT Workforce Providers Program Providers

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.
advanceitmn.org

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.
creatingitfutures.org

Genesis 10

Genesis10 helps companies develop their next-generation workforce by recruiting, training and mentoring U.S. military veterans and recent college graduates.
genesis10.com

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.
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.
mavericksoftware.com

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.
mncfs.org/

Prime Digital Academy

A coding bootcamp with deep connections in the local tech industry. Students learn relevant technologies working on real-world projects.
primeacademy.io

Right Track

Right Track is Saint Paul's pipeline for youth career development and building a diverse future workforce. Right Track brings together the City of Saint Paul, Saint Paul Public Schools, local businesses, and community-based organizations to provide employment opportunities and professional skills training for youth.
righttrack.stpaul.gov

The Software Guild

The Software Guild is an intensive, fast-paced apprenticeship program where students learn to be a software developer.
thesoftwareguild.com

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.
achievempls.org/stepupachieve

K-12 Computer or Coding Program Providers

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.

bdpa.org

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.

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.

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.

digitalempowermentacademy.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.

hightechkids.org

Mouse

Through a web-based learning platform, students use Mouse projects and lessons to expand their knowledge of exciting technologies like circuitry, game design, and green energy. The curriculum teaches students essential 21st-century skills and allows educators to determine what knowledge and skills they want their students to focus on and learn throughout the school-year.

mouse.org/mouse-minnesota

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.

reveacademy.org

SPARCS for young women in IT

SPARCS is designed to help female high school students increase awareness and understanding of information technology (IT) career opportunities through exploring different types of technology tools and applications and build technology skills. The students are supported by women technology professionals, build relationships with other young women who have similar and diverse technology interests and consider higher education options and prepare for college entrance.

advanceitmn.org/sparcs-for-young-women-in-it

Technovation[MN]

Technovation[MN] wants to inspire and enable Minnesota teen girls to dream up, design, code and pitch mobile phone apps. Technovation[MN] hosts the MN Technovation Challenge, several Apps Days, and MN Appalooza event.

technovationmn.org

The Works

Explore coding with The Works Museum through hands-on activities and demonstrations designed to introduce kids to programming. Besides Code Day, The Works offers coding camps for elementary-age kids.

theworks.org