

COMP SCI EDUCATOR

February 9th - Vol 2, Issue 3

DPI Workshop Series (flyer)

We invite you to join us for the second of our four-part workshop series. Our next workshop, centered around learning more about Cybersecurity, will cover ideas for integrating cybersecurity lessons into the classroom and how the industry approaches cybersecurity concerns. You can register for our upcoming workshop through the following [link](#).

Cybersecurity

(middle grades & high school)
Friday, February 9th, 2024

Trends in Robotics

(middle grades & high school)
Monday, April 1st, 2024

Teacher Led Workshop

Saturday, May 25th, 2024

Upcoming Events

IDEACON 2024

February 19th - 20th, 2024,
Schaumburg, IL

<https://ideail.org/IDEAcon2024>

Illinois CSPD Week 2024

July 8th – July 12th,
Bloomington, IL

CSTA Annual Conference

July 16th - July 19th
Las Vegas, Nevada

Questions or comments, contact
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Computer Science Education in Illinois

The Expanding Computing Education Pathways (ECEP) Alliance has published its 2023 State of Computer Science Report. The report works to identify gaps and opportunities in computer science education and offers recommendations for advancing broadening participation in computer science and tech-based education. The report shares highlights for the [Common Metrics Project \(CMP\)](#) and [Scaling Inclusive Pedagogy \(SciP\)](#) in CS education. The report additionally highlights the progress of each state as it works to expand computer science education.

Key takeaways from CS education work in Illinois:

- Illinois passed \$3M for computer science in 2023, the state's first fully dedicated funding for the subject.
- Illinois hired its first Statewide Computer Science Principal Consultant in 2022.

Recommended areas of work in Illinois:

- Illinois should create a state plan to establish strategies and goals for computer science education statewide.
- Illinois should require all preservice teachers to receive computer science education instruction to ensure enough teachers are prepared to teach computer science.



Shared is a [link to the report](#). We would be thrilled to know your thoughts.

Computer Science Endorsement (CSTed)

The Computer Science Teaching Endorsement program (UIUC and DPI) will begin its next cohort **June 10th, 2024**. This five-semester, cohort-based model program is a great way to deepen your knowledge and background in CS education. Participants completing the program will meet the Illinois State Board of Education's requirement for obtaining an endorsement in computer science.

Consider Joining Cohort Four - Summer 2024

Cohort begins - June 10th, 2024

Registration begins – April 10th, 2024

Information sessions (Flyer - Zoom):

- **Thursday 3/7 at 6:00pm**
- **Wednesday 4/18 at 5:00pm**
- **Thursday 5/16 at 4:30pm**

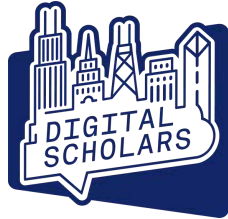

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Digital Scholars Program

DPI's Digital Scholars Program is a free intensive summer program for high school students and incoming Freshmen at two and four year college students.

Students have the opportunity to take one of several courses:

- **CS 111: Intro to Programming (Only UIC Students)**
- **Foundations of Computer Science & Coding**
- **iOS App Design & Development**
- **Data Science Discovery**
- **Exploring Electrical and Computer Engineering**



Students meet and make meaningful connections with members from Chicago's dynamic tech community, participate in weekly workshops that dive into key topics and build essential skills such as communications, collaborating in teams, how to build their professional networks and other work-readiness skills.

Program Dates: June 24 through August 2nd

Applications will open in late February

Information for the Digital Scholars Program can be found on the [DPI website](#).

Educator Summer Intensives

Looking for a summer professional development opportunity? DPI will host a series of summer intensives in **Data Science, Full Stack Development** and **Swift Mobile App Development** (prior experience not required). The workshops are teacher and student-based. Participants will learn along with students during morning sessions and will debrief their learning and best pedagogical practices during the afternoon teacher only session.

Two Week Sessions

Swift Mobile App: June 10th - June 24th

Data Science:

Monday - Friday 8:30 am - 3:00 pm

Six Week Session

Full Stack Development: June 24th - August 2nd

Monday - Friday 8:30 am - 1:30 pm

Stipends and PD hours are available
Applications will be available Feb. 9th

Digital Bridge Program

Do you have student interested in Engineering or Computer Science? Would you like to share more about they can engage in Chicago's dynamic tech community and the types of careers that exist? Have them consider DPI's Digital Bridge Program. They will participate in workshops where they can connect with people who work in the tech community from across Chicago. There is the opportunity to meet with leaders in finance, food and agriculture, healthcare, transportation, and more — each of them in tech!

Who is eligible: Incoming City Colleges of Chicago freshman and current City Colleges of Chicago students

Date: 9 a.m. to 1 p.m. on Fridays

June 21 June 28, July 12,

July 19, July 26

Application Deadline: June 16, 2023



ISTC Teacher Xternship Program

The Illinois Science and Technology Coalition is offering a summer externship for Illinois educators, Teacher Externships are a critical link between the context of industry and the content of a classroom. Teachers get the opportunity to experience and use the latest real-world applications of STEM disciplines to better inform their teaching practices and prepare students to enter the STEM talent pipeline after high school, creating lasting partnerships between workplaces and local schools.

The 2024 [application](#) is now open. There will be a virtual info session May 2nd at 3:30pm to answer questions. Final acceptances will be shared on May 14th 2024.



Connect with Discovery Partners Institute:

