

COMP SCI EDUCATOR

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CS Educator Workshop Series Chicagoland Tech Ecosystem

We were excited to launch the first of our four-part **CS Educator Workshop Series - Understanding the Chicago Tech Ecosystem**.

Educators met with leaders from World Business Chicago, Amazon Web Services (AWS), and Cisco to explore the landscape of their work across Illinois and nationwide. The day was spent touring facilities, learning about new and upcoming ventures, and learning about the skills and knowledges companies are looking for in future talent.

Please consider joining us for one of our upcoming events.



DPI Workshop Series ([flyer](#))

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

Questions or comments, contact
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Computer Science Education Week

**We appreciate your contributions to
computer science education!**

Join us from **December 6th to 12th, 2023**, to celebrate Computer Science Education Week (CSEdWeek). The week honors the work of educators, students and CS advocates advancing computer science education. Expanding CS education, ensuring equitable access to CS instruction, and diversifying the CS community are critical pillars of this work. Let's continue to inspire students to learn computer science and celebrate their learning. We appreciate you!

Remembering Faythe Brannon

We are saddened by the loss of our fellow CS educator and champion for CS education, Faythe Brannon. A renowned Chicago Public Schools educator, Faythe taught various CS classes and developed CS programming for students throughout the district. Faythe served as President of the Computer Science Teachers Association (CSTA) Chapter in Chicago, where she extended her passion for CS education into building a community where educators could learn, grow, and develop their practice. We greatly appreciate her work and contributions to improving computer science education.

Artificial Intelligence

Over the past few months, we have heard CS educators express curiosity and concern regarding how to best integrate AI into their classrooms. It has been interesting learning about possibilities and ways of thinking about AI from leaders and educators. Shared is a TED Talk from Sal Khan about how AI can support student learning and aid teachers in meeting individualized student needs. [Sal Khan AI TED Talk](#)



What are your thoughts on Sal's work? What are your concerns about AI? We would be thrilled to learn with you as AI becomes a more significant part of the K-12 landscape.

Teach AI Toolkit Launches

The Teach AI toolkit to support educators in navigating the quickly evolving field of AI has launched. The toolkit is designed to "ensure compliance with relevant policies and build the capacity of all stakeholders to understand AI and use AI effectively" in educational spaces.

Workshops to discuss the platform are scheduled on **November 8th** at three times so educators can learn about the toolkit.

Participants will:

- Experience a guided walkthrough of the new toolkit
- Hear from a co-author panel
- Gain insights from educators developing AI guidance

[Register here](#)



Student Scholarship Opportunity

Amazon Future Engineer Scholarship & Internship

The Amazon Future Engineer Scholarship program provides three life-changing experiences for high school seniors:

- Up to \$40,000 in scholarships toward an undergraduate degree in computer science or engineering
- Summer internship opportunities at Amazon gaining hands-on experience after your freshman year of college
- Wrap around support – leadership development, career readiness training, mental health resources and mentorship!

Every year, 400 students are chosen to win this super-sized opportunity! Please share.

Join our DPI Team for a virtual info session on Nov 8th by clicking on the [following link](#).

Apply at:

www.amazonfutureengineer.com/scholarships

Illinois CS Organizations

The **Computer Science Teachers Association** supports and encourages education in the field of computer science and related areas.

CSTA – Chicago

<https://chicago.csteachers.org/>

CSTA – Illinois

<https://illinois.csteachers.org/>

The **Learning Technology Center** is a statewide program that supports all public K-12 districts, schools, and educators through technology initiatives, services, and professional learning opportunities.

<https://www.ltcillinois.org/>

When you join **Illinois Digital Educators Alliance**, you'll have a multitude of resources at your fingertips to support and promote innovative education for all.

<https://www.ideailinois.org/>

Upcoming Events

CSEdWeek Kickoff: Impacts of Computing

Monday, Dec. 4, 2023, from 6-7 p.m. CST

Speakers: Vanessa Jones and Dr. Abigail Joseph

[Register](#)

IDEACON 2024

February 19-20, 2024 Schaumburg, IL

<https://ideail.org/IDEAcon2024>

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



Illinois Math & Science Academy Free Computer Science Course

Do you know a high school student with a passion for coding but no access to advanced computer science courses? IMSA is excited to announce a new pilot program that allows students from other schools to enroll in a free, semester-long advanced Computer Science course in Object-Oriented Programming (Java)!

The course will run from
January 16, 2024 - May 29, 2024.

Course highlights include:

- Co-enrollment for current high school students and their teachers
- Hybrid learning model - Blend of live IMSA classes and remote synchronous learning
- Asynchronous learning options for flexible scheduling
- Expert instruction by an IMSA faculty member with an advanced CS degree and educator license
- Dual credit possibilities for high school students (subject to community college fees)
- Resources for teachers interested in teaching the course at their home school next fall

Learn more at

<https://www.imsa.edu/youth-outreach/java/>

DPI Instructor Opportunities

Curriculum Development Projects for two of our student programs:

- (1) Swift Playgrounds for Middle School Students and
 - (2) Xcode for High School Students
- ([scope of work linked here](#))

Lead Instructor for the Digital Explorers Program for Middle School Students ([job description linked here](#))

Connect with Discovery Partners Institute:

