MID-AMERICA CLUB
ITCONNECT

FEBRUARY 17, 2021 | **6:00PM** | **THE MID-AMERICA CLUB**
HOSTED BY ACM & ACM CHICAGO | COHOSTED BY POLYMORPHIC SYSTEMS, INC.

DIGITAL CITY OF CHICAGO 3D MAP
A COLLABORATIVE DIGITAL FABRICATION PROJECT WITH CHICAGO HIGH SCHOOL STUDENTS

TOPIC:	**Digital City of Chicago 3D Map:** **A Collaborative Digital Fabrication Project with Chicago High School Students**
SPEAKER:	**Jeff Solin** **Computer Science & Making Teacher** **Lane Tech High School**
WHEN:	**February 17, 2021 – 6:00PM**
WHERE:	**Zoom Online Presentation** **RSVP** or call **312.861.1100**

Jeff Solin is a Computer Science & Making teacher at Lane Tech High School. He left a career in the tech industry 17 years ago on what he describes as "a quest to help change Computer Science education."Solin is the winner of the 2018 National Center for Women in Information Technology (NCWIT) National Educator Award. He also co-founded the Chicago Chapter of the Computer Science Teachers Association (CSTA) and helped bring the Exploring CS curriculum to Chicago Public School.With the Illinois PPE Network, he designed the Solin Flatpack Faceshield. The Faceshield is a flatpack, single-material face shield being mass-manufactured and donated to those that need it.Solin's work has been featured in *MAKE: Magazine*, *MAKE: Books*, *Element14*, the *ACM*, *Chicago Architecture Center*, *Depth and Light*, *3D Universe* and *Inventables*.

An Extraordinary Map, An Extraordinary City
Learn about the motivations and processes behind the creation of the Digital City of Chicago 3D Map.

The map, installed at the Chicago Museum of Science and Industry since 2018, is an 8' x 6' 3D map of 77 community areas that make up the city of Chicago created by the LTMaker Lab.

This project was the culmination of efforts by roughly 150 students across 5 sections of Jeff and his colleague Amy Wozniak's *Innovation and Creation Lab* at the prestigious Lane Tech High School.

Join Us As We Move Into Another Dimension
In this presentation, Jeff will talk about the digital design and fabrication tools used by each pair of students in the LTMaker Lab to create their part of the map. Solin will also discuss the various software applications, 3D printers, laser cutters, digital cutters, and CNC mills used by where used by each part of the team to represent each community area of Chicago.

ABOUT LANE TECH HIGH SCHOOL
Lane Tech High School is a large, coeducational 7-12th grade public high school. Lane Tech offers students a college preparatory curriculum with a particular emphasis placed upon the technological aspects of a modern education.

Since its beginning over one hundred years ago, Lane has been a leader among the most outstanding educational institutions in Chicago. The current building, situated on a beautiful thirty-acre campus, was opened in 1934.

Lane's fine reputation is the result of a long history of dedicated school leaders, instructors, outstanding students, diligent parents, and the support of the community. More than 90 percent of students earn college degrees in fields such as architecture, engineering, medicine, mathematics, science, journalism, accounting, music, art, and teaching.

CONTACT INFO

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Polymorphic Systems offers application development services to help clients design, develop, and maintain their solutions.