

V I P P

SUMMER  
SCHOOL

2024

# AI IN TODAY'S WORLD



## COURSE OUTLINE

AI is rapidly changing our world, sometimes in unexpected ways. This course provides students with an opportunity to deepen their knowledge and share their own views about artificial intelligence and the concept of the *digital mind*. We will examine the benefits, limitations and dangers of the new AI tools, including ChatGPT and generative AI for creating art and music. We will ask ourselves where these tools are taking us as a civilization and what they show us about ourselves and our own strengths and limitations as creative beings.

In this course students will acquire a basic understanding of the inner workings of Large Language Models such as ChatGPT, and how best to use these tools to increase creativity and productivity. The teaching style will involve wide-ranging non-technical material, and through presentations by the instructor, class discussions, and interactive student presentations, students will achieve the following additional learning outcomes.

- Develop intuitions for spotting and demythologizing catastrophist discourse that sometimes overstates the ultimate cognitive powers and dangers of AI;
- Develop a vocabulary for thinking about the future of AI and the question of artificial consciousness;
- Discover the history of the rise of the digital mind through the 20th century.

## SUMMER SCHOOL HIGHLIGHTS

- More than 35 instructional hours including guest lectures, cultural activities, and field trips.
- Cultural excursions to Detroit, the University of Michigan in Ann Arbor, and the beautiful Lake Michigan shoreline and sand dunes.
- One-week-long East Coast trip including Niagara Falls, Washington D.C. and New York City.
- Opportunities to meet and share experiences with college students from all around the world.



Visiting International Professional Program  
MICHIGAN STATE UNIVERSITY

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**PROGRAM DATES** • July 22 - August 10, 2024

<b>JULY 21</b>	Arrival in East Lansing and check-in at dorms
<b>JULY 22 - AUGUST 2</b>	Program at MSU East Lansing campus
<b>AUGUST 3 - 10</b> <i>7 nights, 8 days</i>	East Coast Trip <i>Niagara Falls, New York City and Washington, D.C.</i>
<b>AUGUST 10</b>	Departure from New York City

**DAILY SCHEDULE**

- All morning sessions will take place from 9:00 to 11:30 a.m. unless noted otherwise.
- All afternoon sessions will take place from 2:00 to 4:00 p.m. unless noted otherwise.

**INSTRUCTOR**

**Dr. Ivan Maksymyk, PhD, CFA** teaches high level courses in machine learning and programming at the HEC Montreal Department of Information Technology, with a focus on deep learning and neural networks, and machine learning applications in finance. He holds a PhD in Theoretical Particle Physics from the University of Montreal, and is a Chartered Financial Analyst. Dr. Maksymyk has expertise in web development and programming, as well as cybersecurity and intellectual property protection.

**FEES**

- \$4,200 USD
- \$300 discount for previous VIPP Virtual School attendees
- Includes tuition, on-campus housing, MSU breakfast and lunch, local transportation related to the program, Detroit airport pick up (designated time only), health insurance, all field trips and all expenses of the East Coast tour (shared room)
- Fee does not include international or domestic airfare, dinner, or any other living costs.

**ADMISSION REQUIREMENTS**

- Must be at least 18 years old
- Undergraduate or graduate student at an accredited college or university
- Any major
- Intermediate English skills

**SUMMER SCHOOL AWARD**

MSU Certificate of Global Young Professional Program (GYPP) by the Michigan State University Visiting International Professional Program.

**APPLICATION**

**Application opens on March 25, 2024 and closes on June 16, 2024.**

Contact us at [vippmsu@msu.edu](mailto:vippmsu@msu.edu) for further information.

**APPLY TODAY!**

*VIPP reserves the right to cancel the program or change the delivery to virtual.*