

## **Marnie Landon**

*C2 Infinity*

Artificial Intelligence (AI), and other emerging technologies, dominate the headlines and impact work, education, and life. Understanding the history, the vocabulary, the applications, the types of problems that can be addressed using these technologies, the anticipated impact on the future of education and work, the risks and dangers to society, and strategies to mitigate the risks are essential skills today. Students with a foundation in mathematics can contribute in many meaningful and significant ways, including innovative thinking to move the state of the art to a new levels, in order to expand the capabilities of todays algorithms. Marnie Landon studied Computer Science and Mathematics at Queen's University. She spent her career designing and developing software, leading software development teams, and investigating the perils and possibilities of emerging technologies for large financial institutions, Oil and Gas, and education companies. She will present the key concepts that students of mathematics should understand and provide some insight into the many paths from the maths.

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