

# **Russell Schwartz**

**Professor and Department Head at Carnegie Mellon University**

Pittsburgh, PA, US

Russell Schwartz works in computational biology and the use of algorithms, AI, machine learning, and simulation in biomedical science.

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## **Biography**

Russell Schwartz works broadly in computational biology and the use of algorithms, artificial intelligence, machine learning, and simulation in biomedical science. This has included work on problems in computational genomics, phylogenetics, population genetics, and biophysics. The largest area of his lab's work in recent years has been cancer biology, with specific focus on clonal evolution in cancers and its role in disease progression. He is also active in bioinformatics education and improving quantitative and computational training in the biomedical field.

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## **Industry Expertise**

Research, Biotechnology

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## **Areas of Expertise**

Cancer Biology, Biophysics, Population Genetics, Computational Genomics, Machine Learning, Computational Biology, Artificial Intelligence, Algorithms, Phylogenetics

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## **Education**

**Massachusetts Institute of Technology**

Ph.D. Computer Science

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