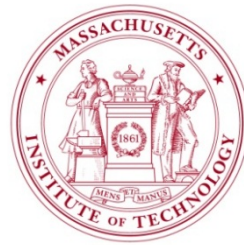


Massachusetts Institute of Technology

This is to certify that

Matthew Oldach



has successfully completed

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