https://www.100test.com/kao_ti2020/502/2021_2022__E6_96_B0_E 9_97_BB_EF_BC_9A_E8_c94_502404.htm Engineers are working on software to load every photo you take, every letter you write in fact your every memory and experience into a surrogate brain that never forgets anything, New Scientist can reveal. It is part of a curious venture dubbed the MyLifeBits project, in which engineers at Microsoft's Media Presence lab in San Francisco are aiming to build multimedia databases that chronicle people's life events and make them searchable. "Imagine being able to run a googly-like search on your life," says Gordon Bell, one of the developers.

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"   Gordon Bell

The motivation? Microsoft argues that our memories often deceive us: experiences get exaggerated, we muddle the timing of events and simply forget stuff. Much better, says the firm, to junk such unreliable interpretations and instead build a faithful memory on that most reliable of entities, the PC.

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Bell and his colleagues developed MyLifeBits as a surrogate brain to solve what they call the " giant shoebox problem" ." In a giant shoebox full of photos, it' s hard to find what you are looking for, " says Microsoft' s Jim Gemmell. Add to this the reels of home movies, videotapes, bundles of letters and documents we file away, and remembering what we have, let alone finding it, becomes a major headache. Bell " "

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" Jim Gemmell

Logging life By the time he speaks at Decembers Association for Computing Machinery Multimedia conference in Juan Les Pins, France, Bell says he will have logged everything he possibly can onto his MyLifeBits database. Bell Juan Les Pins

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A part from official documents like his passport, he will post everything from letters and photos to home videos and work documents. All his email is automatically saved on the system, as is anything he reads or buys online. He has also started recording phone conversations and meetings to store as audio files. The privacy and corporate security risks are clear.

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Of course the system takes up a huge amount of memory. But Bells group calculates that within five years, a 1000-gigabyte hard drive will cost less than $300 - and that is enough to store four hours of video every day for a year.

Bell ,

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Each media file saved in MyLifeBits can be tagged with a written or spoken commentary and linked to other files. Spoken annotations are also converted into text, so the speech is searchable, too. " "

To recall a period in his past, Bell just types in the dates he is interested in. MyLifeBits then calls up a timeline of phone and email conversations, things he has read and any images he recorded. The system can also be used to build narratives involving other people, events or places. Searching for the name of a friend would bring together a chronological set of files describing when you both did things together, for instance. ,Bell

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Meet the ancestors   Although MyLifeBits is essentially a large database, it could gradually become a repository for many of our experiences. Now that many mobile devices contain photomessaging cameras, you could save everyday events onto the system. "Users will eventually be able to keep every document they read, every picture they view, all the audio they hear and a good portion of what they see," says Gemmell.   "   "

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"   Gemmell

Bell believes that for some people, especially those with memory problems, MyLifeBits will become a surrogate memory that is able to recall past experiences in a way not possible with the familiar but disparate records like photo albums and scrapbooks. "Youll begin to rely on it more and more," he believes. Bell

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"   "   A really accurate, searchable store of events could also help us preserve our experiences more vividly for posterity. Doug de Groot, who works on computer-generated beings called avatars and other types of

digital " life" at Leiden University in the Netherlands, says Bell's system could eventually form the basis for " meet the ancestor" style educational tools, where people will quiz their ancestors on what happened in their lifetimes.

Doug de Groot,

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A system like MyLifeBits was first suggested in 1945, when presidential technology adviser Vannevar Bush hatched the then farsighted idea of an infinite personal archive based on the emerging digital computer. His ideas also inspired the Internet archive website."   "   1945

Vannevar Bush

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