



ROBERT ATKINSON

*Anavasi Diagnostics
Co-Founder and
Chief of Innovation
and Technology*

ABOUT

Robert Atkinson worked at Microsoft for more than 20 years starting in the late '80s and has been issued over 60 patents. He is currently a PhD candidate in Bioengineering at the University of Washington under Prof. Barry Lutz.

CONTACT

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SUMMARY

"I start things."

A recurrent theme throughout Robert Atkinson's career, especially during his 20-year tenure at Microsoft, is his ability to synthesize seemingly disparate concepts into interesting and useful new ideas, then crystalize those ideas into a critical mass that engages others to help bring them to fruition.

From his early work creating the foundational architectural principles of component software (now used industry wide), to the use of digital signatures on installable software for security and authentication, to the incorporation of transactional principles of databases into computer file systems for robustness and integrity, Mr. Atkinson's ideas and creativity have led to his being issued more than 60 US patents.

Key Contributions to the Anavasi Team

Robert Atkinson's insight and outlook have continued into his second career in bioengineering. At Anavasi Diagnostics, he has been responsible for key innovations such as the self-leveling analysis algorithm used to call positive and negative results, the design of the QR code-based reporting infrastructure, seven pending US patent applications, and the innovative AscencioDx locking reaction tube design.

POSITIONS

Co-Founder and Software Engineer
Anavasi Diagnostics
March 2020 - present

POSITIONS CONTINUED

Partner-level Software Architect
Microsoft Corporation
Redmond, WA; 1990 – 2008
61 issued US patents

Software Engineer
Instantiations Inc.
Portland, OR; 1989

Software Design Engineer
Microsoft Corporation
Redmond, WA; 1987 – 1989

RESEARCH PRESENTATIONS

Synchronization Strategies for IP Networked Home Audio Equipment
Blank, Tom, and Robert Atkinson, Audio Engineering Society 20th UK Conference, 31 March – 1 April, Cambridge, UK 2005.

An Internet Protocol (IP) Sound System
Blank, Tom, Bob Atkinson, Michael Isard, James D. Johnston, and Kirk Olynyk, Audio Engineering Society 117th Convention, San Francisco, October, 2004.

Use of a Component Architecture in Integrating Relational and Non-relational Storage Systems
Atkinson, Robert G., SIGMOD 1995, San Jose, California.

John Morrision: Reuse: Truth or Fiction (Panel)
McCullough, Paul, Robert G. Atkinson, Adele Goldberg, Martin L. Griss, OOPSLA 1992, Vancouver, BC.

Opus: A Smalltalk Production System
Laursen, Jane, Robert G. Atkinson, OOPSLA 1987 conference, Orlando, Florida.

Hurricane: An Optimizing Compiler for Smalltalk
Atkinson, Robert G., OOPSLA 1986 conference, Portland, Oregon.

ACADEMICS

PhD Candidate, Bioengineering
University of Washington
Seattle, WA; 2011 – present

BS, Mathematics
University of Waterloo
Waterloo, ON; 1987