

Edward Childs

24 Old South Road, Aquinnah, MA 02535-1519

802-794-3589 (O), 508-955-9030 (F)

maestrovt@gmail.com

Profile 30 years research experience applying computational fluid dynamics and numerical heat transfer analysis to engineering problems in both academic and industrial settings. 10 years research experience developing software (Java/C#/VBA/Python) to communicate complex data using non-speech sound. 20 years experience in support and customer training for thermo-fluid software products. Creative worker with systematic, vigorous, detail-oriented work style. Recent publications available at http://blog.edwardchilds.com/?page_id=45.

Education	PhD Mech. Eng., Imperial College of Science and Technology (London)	<i>July 1984</i>
	M.S. Mech. Eng., Rensselaer Polytechnic Institute	<i>May 1980</i>
	M.A. Electro-Acoustic Music, Dartmouth	<i>May 2003</i>
	B.S. Mech. Eng., Rensselaer Polytechnic Institute	<i>May 1979</i>

Career History	Concepts NREC , Turbomachinery Design, <i>Wilder, VT</i> Associate Director of Support, Documentation, Training <ul style="list-style-type: none">• Manage support, documentation and training for turbomachinery design software products• Conduct research into software validation using turbomachinery data• Direct development of optimization software	<i>July 2006 – present</i>
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	Accentus , Financial Data Sound Display Software <i>New York, NY</i> Founder and Chief Scientist <ul style="list-style-type: none">• Founded Dartmouth tech-transfer software company developing non-speech sound for monitoring and exploring complex data• Developed prototypes and commercial software through Version 2, using digital audio synthesis and data-to-sound mapping algorithms in a Java environment communicating with real-time data spreadsheets (VBA) over sockets• Worked extensively with traders as an applications specialist• Conducted original efficacy research with Dartmouth psychologist using a simulated Bloomberg screen, recording actions by subjects and Matlab post-processing• Two sound technology patents	<i>Sept 2001 – June 2006</i>
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	Fluent , Computational Fluid Dynamics Software <i>Lebanon, NH</i> Project Engineer, Developer, Applications Specialist, QA Manager <ul style="list-style-type: none">• Contract R & D Project Manager• R & D of computational fluid dynamics software in UNIX environment.• Client education, sales, applications support• QA and Release Manager	<i>Dec. 1986 - Mar. 1999</i>
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References Upon Request