

**MILTON JAMES VENETOS**  
PO BOX 3021 • Los Altos, CA 94024-0021  
Phone (415) 420 – 8851 • Fax (415) 946 – 3330  
milt@wyattllc.com

## **SUMMARY**

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Technical leader and consultant specializing in the creation and use of analytical modeling software packages to help customers solve problems

- Skilled mechanical designer and heat transfer specialist
- Deep understanding of the power generation industry. Experience with coal, combined cycle, IGCC and advanced energy systems in a variety of capacities ranging from on site troubleshooting to conceptual design and modeling
- Diverse and extensive background in engineering, software, and quantitative problem solving
- Outstanding customer rapport
- Solid track record of providing creative and effective solutions to a broad range of business and technical problems

## **EXPERIENCE**

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- April 2004 – Present      **Wyatt Enterprises, LLC**, Los Altos, CA  
*Principal and Senior Consultant*– Provide software development and engineering consulting services to the medical device and energy industries. Recent projects include:
- Mechanical Design (ongoing): Design and prototype a cooling system and resonator plate for a diode pumped surgical laser.
  - Software development: Enhanced GateCycle’s Boiling Water Reactor (BWR) icon.
  - Training: Conducted on-site GateCycle training for customers in the US and Japan.
  - Consulting: Built detailed GateCycle models of 2 Circulating Fluidized Bed (CFB) fossil plants and 2 combined cycle plants in the US and Mexico.
- April 1999 – April 2004      **The General Electric Company**, Menlo Park, CA  
*Product Development Manager* – Planned and lead new plant performance modeling software product development (\$2.6M budget for 2003). Managed a team of 6 domestic and 4 off-shore developers, plus 3 consultants.
- Senior Mechanical Engineer* – Lead developer of the GateCycle heat balance program. Responsible for more than \$2M in contracted enhancements to GateCycle since 2000. Provided highly acclaimed customer support and training, documentation and consulting.
- February 1996 – April 1999      **Onward, Inc.**, Mountain View, CA  
*Senior Consultant* – Developed and grew Onward’s configuration modeling electronic commerce practice to a team of 4 consultants. Provided configuration modeling and project management services for Amdahl, Cisco, Sun, Lanier, and 3Com. Participated in the development and launch of a new call center agent-scheduling application with Blue Pumpkin Software. Established professional-service materials and practices to support the rapid growth and widespread success of an industry-leading workforce optimization product.

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- February 1993 – **Enter Software, Inc.**, Menlo Park, CA  
January 1996 *Mechanical Engineer* – Developed and implemented the Efficiency MAP online performance monitoring system. Managed and performed installation of the Efficiency MAP system in 10 U.S. combined cycle power plants and one IGCC plant. Constructed detailed power plant models using GateCycle. Improved modeling algorithms and procedures. Trained and mentored several interns and new employees. Provided documentation, customer training and support.
- Summer 1992 – **Stanford University**, Stanford, CA  
Fall 1992 *Research assistant* – Conducted five-hole pressure probe measurements of an impinging jet in a cross flow.
- Summer 1990 **Syracuse University**, Syracuse, NY  
*Research assistant* – Conducted experimental investigations into the aero-acoustics of conventionally operated, underexpanded, coaxial, convergent rectangular jets.

## EDUCATION

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**Stanford University Thermo-Sciences Division**, Stanford, CA  
M.S., Mechanical Engineering

**Worcester Polytechnic Institute**, Worcester, MA  
B.S., with High Distinction, Mechanical Engineering

**University of California Extension, Berkeley & Santa Cruz, CA**  
Continuing Education classes in Machine shop, C++, Corporate Finance, and Java

## AFFILIATIONS

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- Member Pi Tau Sigma – Mechanical Engineering Honor Society
- Member American Institute of Aeronautics and Astronautics (AIAA)
- Member American Society of Mechanical Engineers (ASME)
- Certified General Electric Six Sigma Greenbelt
- President, House Manager Alpha Tau Omega Fraternity at WPI

## COMPUTER SKILLS

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- *Languages:*  
C and C++, Java, FORTRAN, Visual Basic, Perl, SQL
- *Operating Systems:*  
UNIX, Linux, Windows
- *Applications:*  
SolidWorks, COSMOSWorks, ALGOR, Visual Studio, GateCycle, MATLAB, ModelCenter, MS Office, Open Office, MS SQL Server