

MILTON JAMES VENETOS

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SUMMARY

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 nuclear, coal, combined cycle, IGCC and advanced energy systems in a variety of capacities ranging from on site troubleshooting to conceptual design and modeling
- Certified Six Sigma Greenbelt with a diverse and extensive background in engineering, software, and quantitative problem solving
- Outstanding vendor and customer rapport
- Solid track record of providing creative and effective solutions to a broad range of business and technical problems

EXPERIENCE

- 04/04 – 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: Designed the cooling system (chiller) and major resonator components for a high power, 532 nm diode pumped solid state surgical laser. This laser was brought to market ahead of schedule and is currently selling well.
 - 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 coal fired plants and 4 natural gas fired combined cycle plants in the US and Mexico.
 - Consulting: Developed a detailed GateCycle model of a synthesis gas fired General Electric 7FB gas turbine for the US Department of Energy.
- 04/99 – 04/04 **The General Electric Company**, Menlo Park, CA
Product Development Manager – Planned and led new power 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 GE’s GateCycle software. Oversaw and coded more than \$2M in contracted enhancements to GateCycle from 2000 - 2004. Provided highly acclaimed customer support and training, documentation and consulting.
- 02/96 – 04/99 **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.
- 02/93 – 01/96 **Enter Software, Inc.**, Menlo Park, CA
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.

EDUCATION

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

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

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

AFFILIATIONS

- 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

COMPUTER SKILLS

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