

PETER R. THOM AND ASSOCIATES INC.
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DAVID M. YUN, M.S.B.E.

EXPERIENCE:

- Peter R. Thom and Associates Inc., Associate. 1998 – Present.
- St. Francis Medical Technologies, Concord, CA. 2000-2001. Engineering Consultant. Designed implantable orthopaedic devices such as intervertebral spacers and fixation hardware.
- Rehabilitation R&D Laboratory of the Palo Alto Veterans Administration Hospital. 1998, 2001. Engineering Consultant. Analyzed motion data for balance-impaired patients. Designed and constructed biomaterials tester.
- University of California Medical Center, Orthopaedic Research Laboratory. 1994 - 1996. Research Assistant. Designed, constructed and operated experimental apparatus for shoulder biomechanics studies. Invented new cryo-clamp design for applying loads to soft tissue.
- University of California, Davis, CA, Exercise Science Department. 1994. Research Assistant. Conducted studies examining the feasibility of utilizing biofeedback to alter muscle activation sequence of patients with dynamic instability of the knee. Also involved in studies examining the mechanism of sub-talar fractures in snowboarding.
- University of California, Davis, CA. 1994-1997. Teaching Assistant, Exercise Science Department. Taught laboratory portion of biomechanics course using tools such as electromyograms, dynamometers, force plates, and electrogoniometers.
- Peterbilt Motors Company, Newark, CA. 1989-1993. Senior Design Engineer. Involved in all phases of design process including initial concepts, prototyping, testing & analysis, and manufacturing. Redesigned cab mounting system doubling strength of original without increasing weight. Invented improved cab sealing system and initiated modification of braking system in all models to improve vehicle safety.

EDUCATION

- University of California, Davis
M.S. Biomedical Engineering 1997
B.S. Mechanical Engineering 1989

AWARDS

- Chairman's Award for Engineering Excellence - PACCAR
- United States Patent #5,280,984

David M. Yun