

THUY MINH PHAM

466 HILLSIDE AVENUE | HARTFORD, CT 06106
(860) 748-1595 PHAM.M.THUY@GMAIL.COM

OBJECTIVE

To seek for an internship position to gain more experience in biomedical and related engineering fields

EXPERIENCE

Biomechanics Undergraduate Researcher, *Uconn, Fall 2007- Present*

- Performing biaxial mechanical tests and data analyses on soft tissues
- Simulate the responses of soft tissues using Finite Element models in ABAQUS

LabView programmer for Summer Biomedical Engineering Program, *Uconn, Summer 2007*

- Developed a LabView interface for vital sign detector application in PDA device
- Established communication between vital sign sensors and PDA via Bluetooth wireless, and performed data acquisition

Intern at Oakland University, *Michigan, Summer 2006*

- Virtual nursing simulator research, funded by the National Science Foundation
- Designed a virtual 3-D environment application that interacted with haptic simulation device for educational training purposes in oral hygiene
- Abstract was accepted to the Medicine Meets Virtual Reality 15 conference, Long Beach, CA, February 2007

PUBLISHED ABSTRACTS

Pham, T., Nguyen, M.X, DeHerrera M., and Sun W., "Determining the mechanical properties of coronary sinus for percutaneous mitral valve repair," ASME Summer Bioengineering Conference, Abstract 193226, June 2008.

Pham, T., Sun W., "Biaxial testing and constitutive modeling of the coronary sinus tissue," 34th Northeast Bioengineering Conference, Brown University, April 2008. pp 195-196.

EDUCATION

B.S. in Biomedical Engineering, *May 2008*

University of Connecticut, Storrs, CT

M.S. in Biomedical Engineering, *December 2008*

University of Connecticut, Storrs, CT

Relevant Graduate/Undergraduate courses:

- Human Biomechanics, Bioinstrumentation, Medical Imaging System, Digital Image Processing,
- Drug Delivery, Tissue Engineering, Physiological System.
- Electronic Circuit Design and Analysis, Signal and Linear System Analysis
- Applied Mechanics, Biomechanics, Biomaterials, Biochemical Engineering

Projects/Designs:

- Computer Monitor Lift in the Neurolinguistics Laboratory, Oil Paint Cap Removal Device for incapable artists: Design and implement both software and hardware in senior design courses

HONORS/ AWARDS

- Dean List Fall 2006
- Office of Undergraduate Research Travel Grant, *Spring 2008*
- Deligeorge's Family Undergraduate Research Scholarship, *Spring 2008 – Fall 2008*
- National Honor Society Scholar, *Fall 2005 - Present*
- Presidential Scholar (Hartford Public Salutatorian Graduate), *Fall 2003 – Spring 2007*
- Doc Hurley Scholarship & Capitol Scholarship, *Fall 2003 – Spring 2007*

ACTIVITIES

Community Outreach at Uconn, Member, *Fall 2005*

- Volunteered in the Emergency Department at Windham Hospital

Biomedical Engineering Society, Member, *Spring 2005 – Present*

Society of Woman Engineers, Member, *Fall 2005 – Present*

Asiantation Mentoring Program at Uconn, Mentor, *2005 – 2006A*

- Advised first-year students and provide them with necessary academic information

Peer Advisors and Liaisons (ACES PALs) at Uconn, Mentor, *2004 - 2006*

- Advised first-year students on courses, majors, and the keys to academic success

TECHNICAL SKILLS

Computer languages: HTML, CSS

Software: LabVIEW, MatLab, PSpice, Digital LogicWorks, ABAQUS, Microsoft Office (Word, PowerPoint, Excel, FrontPage), FTP

Graphic Designs: Ulead PhotoImpact, DreamWeaver, Flash (<http://www.thuypham.com>)