Viet Le

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EDUCATION

University of Massachusetts Lowell

Bachelor of Science in Civil and Environmental Engineering, May 2015 GPA: 3.984/4.0
Minor in Mathematics
Master of Science in Civil Engineering (Structural Option), May 2016 – under progress GPA: 4.0/4.0

RESEARCH EXPERIENCE (University of Massachusetts Lowell, Lowell MA)

Structural Engineering Research Assistant May 2013 – Present

- Examined the effects of alkali-silica gels on the expansion of mortar bars using microwave radar imaging, ultrasonic pulse velocity inspection, and dielectric measurements with a contact probe
- Employed a dynamic approach to developing an innovative perspective on structural health monitoring
- Involved in the distant radar inspection of concrete specimen using a microwave imaging radar and an unmanned aerial vehicle (UAV)

Geoenvironmental Engineering Undergraduate Research Assistant May 2012 – September 2012

- Worked in a multi-disciplinary research group for novel technology in geoenvironmental site characterization
- Independently performed a series of lab experiments to analyze data for calibrating a sensor array

PUBLICATIONS AND PRESENTATIONS

- Le, V.; Yu, T-Y., (2015). Mass and Stiffness Estimation using Mobile Devices for Structural Health Monitoring. Paper presented at SPIE—The International Society for Optical Engineering Conference, San Diego, California, March 11, 2015.
- Le, V.; Yu, T-Y.; *et. al*. (2016). Sizing and Ranging Criteria for SAR Images of Steel and Wood Specimens. Paper *scheduled* to be presented at SPIE—The International Society for Optical Engineering Conference, Las Vegas, Nevada, March 21, 2016.

AWARDS AND HONORS

- Integrated University Program 2015 Fellowship from U.S. Department of Energy, Office of Nuclear Energy
- American Society for Nondestructive Testing (ASNT) 2014 Engineering Undergraduate Award
- Chancellor's Medal for Distinguished Academic Achievement in Engineering
- Dean's List (Fall 2011-Present)
- Chancellor's Commonwealth Scholarship
- William Haskell Award for Outstanding Junior
- Herman J. Shea Award for Outstanding Sophomore

TECHNICAL SKILLS

MATLAB, AutoCAD, GTStrudl, Mathcad, LaTex, Microsoft Word/Excel/PowerPoint

LEADERSHIP

- Co-captain of Red Lotus Lion Dance (Nov. 2013-Present)
- President of Tau Beta Pi Engineering Honors Society (March 2014-March 2015)
- President of Vietnamese Students Association (May 2014-May 2015)
  - Vice President (May 2013-May 2014)

PROFESSIONAL MEMBERSHIPS

- UML student chapter of American Society of Civil Engineers (ASCE) – Social Chair, Sept. 2012-Jan. 2013
- Chi Epsilon, Civil Engineering Honor Society
- SPIE – Student member
- American Concrete Institute (ACI) – Student member

ENGINEERING SEMINARS ATTENDED

- Tau Beta Pi Engineering Futures Seminars
  - People Skills - communicating and resolving interpersonal problems
  - Analytical Problem Solving - solving problems in a team environment