

Ho-Zhen Chen

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UNITED STATES CITIZEN

EDUCATION:

University of Michigan, Ann Arbor, MI Expected: May 2015
Master of Science, Environmental Engineering

Rensselaer Polytechnic Institute, Troy, NY Graduated: May 2011
Bachelor of Science, Mechanical Engineering Dean's List

Tampere University of Technology, Tampere, Finland Spring 2010 (**exchange**)

Greenfield Community College, Greenfield, MA Graduated: June 2008
Associate of Science, General Engineering Dean's List

RESEARCH EXPERIENCE:

Bio-Station Wireless Network, University of Michigan, Civil and Environmental Engineering, **Dr. Kerkez** Aug 2014-Present
Redesign and setup of wireless sensor network. Power supply/storage design, hardware assembly, electronic wiring and software programming, radio transmission setup, and data management.

Huron River Water Sensor, University of Michigan, Civil and Environmental Engineering, **Dr. Kerkez** Sep 2013-Present
Design and assemble of water depth, velocity sensor. Learning of basic programming language (Python, C++.)

Relevant Project:

Wireless Control, University of Michigan, Civil and Environmental Engineering, Spring 2014
Incorporating wireless chips to PSoC microcontroller for remote control on water pump for various different project.

WORK EXPERIENCE:

Research assistant University of Michigan, Ann Arbor, MI Summer 2014
Redesign and setup of wireless sensor network. Power supply/storage design, hardware assembly, electronic wiring and software programming, radio transmission setup, and data management.

Engineer, Hua-chuang Automobile Information Technical Center Co., Ltd, New Taipei City, Taiwan Oct 2011-Jul 2012
CAD design and analysis on parts for electric vehicles. Occasional meetings with suppliers and frequent assembly plant visit.

Intern (Laboratory technician), Atlantic Testing Laboratory, Troy, NY May 2009-Nov 2009
Perform safety test on construction materials. Scheduled work plans with co-workers and daily testing report to supervisors.

Peer Tutor, Greenfield Community College, Greenfield, MA Jul 2007 – Dec 2007
Communicated with people from all walks of life through scheduled meetings to help student successfully pass courses.

SKILLS:

Software: Python, Matlab, SolidWorks, Catia, Microsoft Office, Maple, Mathematica, EES, Minitab and basic HTML.

Programming: C++, Python, Visual Basic, Basic JavaScript, Basic HTML/CSS.

Language: Understand traditional Chinese (lived in **Taiwan** for 17 years.)

ACTIVITIES & HONORS

American Society for Engineering Education Fall 2013-Present
Association of Environmental Engineering & Science Professors Fall 2013-Present
Michigan Taiwanese Student Association Fall 2013-Present
RPI water polo club member Fall 2008-Spring 2011
Joseph H. Smith '45 Award (Transfer scholarship) Spring 2008
Phi Theta Kappa (International Honor Society for the Two Year College) Spring 2007