

Ho-Zhen Chen

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UNITED STATES CITIZEN

OBJECTIVE:

Sensor design and implementation. Learn about current hardware limitation and how it can be overcome. Use math and programming to solve the world's problem. Real world statistics and field deployment. The internet of things.

EDUCATION:

University of Michigan, Ann Arbor, MI
Master of Science, Environmental Engineering

Expected: May 2015

GPA: 3.308/4.0

Rensselaer Polytechnic Institute, Troy, NY
Bachelor of Science, Mechanical Engineering

Graduated: May 2011

GPA: 3.37/4.0 | Dean's List

Tampere University of Technology, Tampere, Finland

Spring 2010 (**exchange**)

Greenfield Community College, Greenfield, MA
Associate of Science, General Engineering

Graduated: June 2008

GPA: 3.87/4.00 | 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++.)

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: 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.)

Special Interest!! Statistics and modeling. Programming. Amateur Radio. Innovative interdisciplinary teamwork.

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