

Ming-Han (Michael) Yang, E.I.T.

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EDUCATION

Texas A&M University | GPA: 3.6/4.0

College Station, Texas

Master of Engineering in Civil Engineering (Transportation Engineering)

December 2015

• Related courses:

Traffic Engineering	Street and Highway Design	Urban Transportation Systems
Transportation Investment	Transportation Statics	Projects Management
Geographic Information System	Transportation Economics	Transportation in City Planning

National Taiwan University | GPA: 3.69/4.0

Taipei, Taiwan

Bachelor of Science in Civil Engineering

June 2012

(No.1 ranked Civil Engineering Program in Taiwan)

• Academic Excellence Award in 2011 (Top 5 out of 100)

SKILLS

- **Simulation Software:** Synchro, HCS, VISSIM, CORSIM
- **Computer Skills:** AutoCAD, ArcGIS, Microsoft Office, Civil 3D, JMP, SketchUp

PROFESSIONAL EXPERIENCE

Testengeer Inc.

Port Lavaca, Texas

Civil Engineer

May 2016 - Present

- Handled a project to expand more than 18,000 feet railroad construction in the east yard of a petrochemical plant.
- Designed an access road for operators and contractors to work in the plant.
- Negotiated with a contractor to deduct 10% construction expenditure for analyzer shelter pads installation.
- Modified AutoCAD drawings to provide detailed and correct information based on field condition.

Ministry of National Defense

Taipei, Taiwan

Second Lieutenant

August 2012 - July 2013

- Led 40 soldiers to accomplish the missions assigned by the commander.

Sinotech Engineering Consultants, LTD.

Taipei, Taiwan

Intern

July 2011 - August 2011

- Managed a project for the government to prevent a flood by designing and improving the structure of the floodway.
- Designed the possible floodway routes through AutoCAD and developed alternative plans.
- Analyzed more than 10,000 historical data to inspect the destruction of bridges for local government and provided the best method to recover structures within the limited budget for different situations.
- Conducted literature research and modified analysis reports for 2 potential projects.

RELEVANT COURSE PROJECTS

Analyze and Improve Public Transit Usage in Phoenix, Arizona

Fall 2015

- Collected data from the ACS and identified a new Metro Light Rail influences on traveler's traffic modes selection.

Support the Development of the Bike Share System in Texas A&M University

Spring 2015

- Evaluated the possibility of the bike share system in Texas A&M University through Cost-benefit analysis.

Florida Key Deer Land Acquisition Report

Spring 2015

- Assisted the U.S. Fish and Wildlife Service to determine potential habitats for deer through GIS.

Texas A&M University Bike Travel Characteristics

Fall 2014

- Conducted a survey and used a logit model to find out the relationship between traffic characteristics and modes.

Influences of Variance Speed Limits on Headway Distribution

Fall 2014

- Gathered more than 2500 data through HEADWAY software and found out the relationship between traffic factors.

How the Length of Left-turn Bay Influences the Intersection

Spring 2014

- Simulated different road conditions influences on LOS conducted by Synchro.

Vehicle Miles Traveled and Its Impact on Travelers

Spring 2014

- Designed a regression model to analyze the relationship between different variables and VMT fees.

ACTIVITIES

Institute of Transportation Engineers, Texas A&M University Student Chapter

College Station, Texas

Publicist

January 2015 – December 2015

- Promoted the chapter through publicity by maintaining the chapter website and making flyers.

Passed Principles and Practice of Engineering Exam in October 2017