Daniel T. Chou

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Citizenship   U.S.A. (Place of Birth: Albany, Georgia, U.S.A.)

Date of Birth   December 18, 1992.

Education

Master of Science   Major: Geotechnical Engineering

(January, 2018)   Thesis: Evaluate the effect of precut trenches on underwater marine sediment

sliding using discrete element method and Taguchi orthogonal array.

(Under guidance of **Professor Hung-Jiun Liao.**)

National Taiwan University of Science and Technology (NTUST), Taipei, Taiwan

Bachelor of Science   Major: Civil Engineering

(June, 2015)   National Chi Nan University (NCNU), Puli, Taiwan

Experience

Period	Position	Affiliated Unit
2018/3 ~ 2019/2	On the duty of one-year compulsory military service in Taiwan	Military Training Center, Cheng-Kung Hill, Taichung, Taiwan
2017/9 ~ 2018/1	Teaching Assistant of *Soil Mechanics Tests*	Department of Civil and Construction Engineering, NTUST
2016/8 ~ 2017/7	Research Assistant in Ground Improvement group (Adviser : **Dr. Hung-Jiun Liao**)	Department of Civil and Construction Engineering, NTUST
2015/7 ~ 2015/8	Production Assistant	Department of Production Management, Chen-Wei Tech., Inc., Taichung, Taiwan
2015/2 ~ 2015/6	Teaching Assistant of *Soil Mechanics*	Department of Civil Engineering, NCNU
2014/9 ~ 2015/1	Teaching Assistant of *Foundation Engineering*	Department of Civil Engineering, NCNU
2014/9 ~ 2015/1	Teaching Assistant of *Reinforced Concrete*	Department of Civil Engineering, NCNU
2014/2 ~ 2014/6	Teaching Assistant of *Soil Mechanics*	Department of Civil Engineering, NCNU

Possible Research Areas

Application of Quality Engineering method in Geotechnical Engineering

Correlation between in-situ and laboratory test

Application of DEM in Geotechnical Engineering

Numerical Modelling of Geo-mechanics

Computer Skills

Python	A computer programming language with general functions
EDEM	The computational software for Discrete Element Method (DEM) analysis
FLUENT	The computational software for Computational Fluid Dynamics (CFD) analysis
FLAC	Fast Lagrangian Analysis of Continua, the numerical analysis software with Finite Difference Methods (FDM)
STEDwin	Slope stability analysis software
AutoCAD	The basic Computer Aided Drawing/Design (CAD)

Languages

Chinese	Proficient	Native language
English	Fluent	Able to speak, listen, read and write using general vocabulary

Personal Interests

Fitness

Running

Weight losing

Vape Smoking

Pokemon Go

Badminton

Continuum Mechanics (Studying for hobby)