

## OBJECTIVE

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To obtain a civil engineering full-time position beginning summer 2018

## EDUCATION

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- **Georgia Institute of Technology**, Bachelor of Science, major in Civil Engineering Aug 2012 - May 2017
- **Georgia Institute of Technology**, Master of Science, major in Civil Engineering Aug 2017 - Present
  - GPA: 4.0

## EXPERIENCE

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- Duke Energy**, Charlotte, NC May 2017 – Aug 2017
  - Internship
    - Landfill Inspection
    - Dam Inspection
    - Inundation Mapping
    - GIS Mapping & Operation
- Tensar International Corporation**, Alpharetta, GA May 2015 – Dec 2016
  - CO-OP
    - Develop shop drawing used by Contractors to construct Tensar mechanically stabilized earth (MSE) structures
    - Design MSE structures in accordance with the latest version of AASHTO Bridge Design Specifications
    - Assist Regional Sales and Project Managers in Securing projects
- School of Civil Engineering, Georgia Institute of Technology**, Atlanta, GA May 2017 – Present
  - Graduate Research Assistant
    - Prepare sidewalk quality and safety inspection report for contractor
    - Manage sidewalk data collector team
- School of Civil Engineering, Georgia Institute of Technology**, Atlanta, GA May 2014 – May 2017
  - Undergraduate Research Assistant
    - Greenhouse gases emission modeling and life cycle cost estimation of transit buses
    - Use the data collected from systematic review to develop the cost profile
    - Generate graphs to demonstrate the comparison of estimate life cycle cost among different bus technology
    - Find out the appropriate alternative bus technology to reduce the same amount CO<sub>2</sub> by replacing the diesel bus
- School of Physic, Georgia Institute of Technology**, Atlanta, GA Aug 2014 – Dec 2015
  - Undergraduate Teaching Assistant
    - Grade quizzes and tests
    - Hold lab sections, each lab section has 40 students
    - Hold office hours to answer students' question
    - Give hints when student ask questions and let them think for a while, instead of providing the answer directly

## PAPER

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- Fuel and Emission Calculator (FEC), Version 2.0, Summary Report, Xiaodan Xu, Yanzhi “Ann” Xu, Yingping Zhao, Haobing Liu, **Honghan Cheng**, Michael O. Rodgers, and Randall Guensler, Aug 2016

## SKILLS

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### Software and Programming

- Auto-cad (Proficient Engineering Graphing skills), Auto Civil 3D, ArcGIS, Visual Basic Application, Inventor (Proficient 3D Model), HCS (Proficient), Microsoft Office (Proficient), Photoshop (Proficient), Java (Proficient), Matlab (Proficient), VPython (Visual model of objects), Audition (Noise Reduction)

### Language

- English
- Chinese (Native)
- Korean (Basic)

## ACTIVITIES

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- Member of Georgia Tech Undergraduate International Student Ambassador** Jan 2013 – Dec 2013
  - Hold an info-session in the high school that I studied before to introduce Georgia Tech
  - Give a public speech in front of 3 hundreds of students during the info-session