

## MINH DANG

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24B Prospect Avenue  
Bryn Mawr, PA, 19010

### EDUCATION

Villanova University, College of Engineering, Villanova, PA  
Bachelor of Science in Civil and Environmental Engineering  
Bachelor of Arts in Humanities  
May 2020  
GPA 3.75, Magna Cum Laude

### TECHNICAL SKILLS

- Proficient in following computer programs: AutoCAD, Microsoft Office, ArcGIS, STAAD, Sketchup, Revit.
- Statistical analysis, laboratory skill, data processing, scientific literature review, technical writing, critical and creative thinking, communications, leadership.
- Operate gas chromatography – mass spectrometry, evaporator, HPLC system, Glove box, UV-Vis spectrophotometry.

### RELEVANT COURSEWORKS

- Engineering Fundamentals, Structural Analysis, Structural Steel Design, Reinforced Concrete Design, Foundation Design, Hydrology and Hydraulic Design, Soil Mechanics/ Lab, Engineering Economics, Graphical Communications, Statistical Methods, Land Use and Management.

### PROJECTS

- Senior Capstone projects: Gasoline Contaminated Site Remediation; Land Development, Phoenixville, PA.
- Class projects: Landfill Design; Water Tower Design for Cambodia; Villanova Law School Walking Path Redesign; Water Supply System Design.
- Research projects: Assessing Adsorption Capacity of Powdered Activated Carbon; Assess the Redox Properties of Pyrogenic Dissolve Organic Matter (pyDOM).

### WORK EXPERIENCE

#### Department of Civil & Environmental Engineering,

Villanova University, Villanova, PA

February 2018 – August 2019

Undergraduate Research Assistant

- Conducted analytic chemical lab experiments.
- Analyzed experimental data using Excel.
- Reviewed literature on the subject of water treatment, disinfection byproducts and organic matters.
- Wrote technical reports and manuscripts.
- Worked 16-20 hours per week continuously during the Academic year.

#### Saigon Green Environment & Constructions Co., Ltd.,

Ho Chi Minh city, Vietnam

May 2017 – August 2018

Summer Environmental Engineer Intern

- Monitored waste water qualities of a large-sized brewery.
- Monitor water treatment system.
- Recorded waste water data and measurements.

#### Department of Civil & Environmental Engineer,

Villanova University, PA

January 2019 –Present

Teacher Assistant

- Graded Mechanics 1, Water and Wastewater Treatment, and Transportation Engineering courses.

### LEADERSHIP/ACTIVITIES/VOLUNTEERING

#### Awards

- PwC's Case Challenge 2016, Third place.
- ICE Challenge 2016, Third Place.
- Villanova University ACS program essay finalist.

#### Activities

- Order of the Engineer.
- Villanova Law Clinic volunteer interpreter.
- Rite of Christian Initiation of Adults volunteer assistant.
- School of Community, president.
- Russell Kirk Society.