

# XIAO WANG, EIT

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## EDUCATION

2016-Present **The Cooper Union for the Advancement of Science and Art**  
Bachelor of Engineering, Civil Engineering, Projected May 2020, GPA 3.1 / 4.0

RELEVANT COURSES Concrete Structures Design, Steel Structures Design, Building Information Modeling, Structural Engineering, Geotechnical Engineering, Bridge Engineering, Water Resources Engineering

## EXPERIENCE

June 2019-January 2020 **Project Assistant | Office of Facilities Planning and Space Management, NYC Department of Health**  
· Management of engineering & architectural tasks such as surveying and utilizing AutoCAD and Revit  
· Construction, furnishing, equipment estimates and meetings with vendors for ongoing projects  
· Projects worked on includes renovation of health centers, clinics, laboratories, administrative offices

## PROJECT WORK

Fall 2019 – Present **Civil Engineering Design**, The Cooper Union  
· Designed a structure as a group, taking into consideration the environment and following NYC Building Codes, presented to the graduating class  
· Calculated structural design along with construction project costs  
· Organized project priority, and managed sequence work for better team efficiency

Fall 2018 **Steel Bridge Design and Construction**, The Cooper Union  
· Utilized computer programs (AutoCAD, Revit, Robot Analysis) to design an economical model of a bridge given a set of design criteria  
· Ran simulations and constructed a model to test the structural integrity of a designed model

Spring 2017 **Watersports Dock Rehabilitation Project**, The Cooper Union  
· Drafted a report with including technical approach, contract drawings, project specifications (in CSI format), constructability considerations, as well as a lump sum bid breakdown for the renovation of a dock owned by Sud Isla Este Sindacacion, located in Boca Chica, DR  
· Utilized computer programs like AutoCAD and Revit throughout the design process

## SKILLS

**Modeling + CAD** AutoCAD, Revit, Rhino+Grasshopper  
**Structural** Robot Analysis, SAP 2000  
**Other Software** MS Office + Excel  
**Other** Model Making, Hand Drafting

## HONORS

· Cooper Union, Half-tuition Scholarship, 2016-2020  
· Innovator Tuition Merit, 2016-2020  
· C.V. Starr Scholars in Engineering Scholarship, 2016-2019  
· IDCE Foundation Civil Engineering Scholarship, 2018-2020

## LEADERSHIP, MEMBERSHIP

2016-Present · President | Society of Women Engineers (SWE)  
2017-Present · Officer | Chinese Student Association (CSA)  
2015-2019 · Junior Representative | American Society of Civil Engineers (ASCE)

2016-Alumni ACE Mentorship Program of Greater NY (Architecture, Construction, Engineering)  
2015-2016 · Worked closely with mentors in design and construction of a project in high school  
· Performed tasks such as creating a design and building a model in a team setting  
· Presented to audience of professionals in the architecture, construction, and engineering field  
· Participate in Alumni events and volunteering events through ACE