

# KAITLYN KO

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## EDUCATION

**Northwestern University** - Anticipated Graduation: June 2020 - GPA: 3.85/4.00  
Pursuing a bachelor's degree in Manufacturing and Design Engineering

## ENGINEERING EXPERIENCE

**Personal Website: kaitlynko.com** (Summer 2017)

- + Designed and created a static, multi-page engineering portfolio website
- + Self-taught technical skills such as HTML, CSS, and JavaScript using online resources

**Design Project: Dual-Function Stand Up Paddleboard (SUP) Paddle** (Spring 2017)

- + Worked in a team to design and create a dual-functioning SUP (Stand Up Paddleboard) paddle
- + Implemented engineering design process and prepared a finished prototype and powerpoint presentation for client and professors.

**Design Project: Multi-Touch Stylus for Rehabilitation Institute of Chicago** (Winter 2016/2017)

- + Worked in a team to design and create a multi-touch stylus solution for a patient at the Shirley Ryan AbilityLab with spastic cerebral palsy
- + Implemented engineering design process and prepared a final prototype and poster presentation for the client, judges, and professors

**Scanning Electron Microscopy** (Fall 2016)

- + Trained in using the Hitachi S-3400N scanning electron microscope in introductory materials science course
- + Completed a team research project investigating grit size and characteristics of various types of sandpaper

**Engineering Intern** - Village of Arlington Heights (Summer 2015)

Worked with civil engineers, helping to maintain public works/utilities system & oversee various road projects

## WORK EXPERIENCE

**Membership Services & Wellness Suite Representative** - Henry Crown Sports Pavilion (Fall 2016 - Present)

- + Aid customers in purchasing or registering for programs offered at the Henry Crown Sports Pavilion
- + Assist customers with any general questions and concerns about the gym's facilities and policies

**Tutor** - A Plus Tutoring (Summer 2017)

Tutored students (grades 5-7) in basic math and pre-algebra

**Administrative Aid** - Materials Research Center (Spring 2017)

- + Organized data in informative spreadsheets for projects related to outreach, budgeting & finance, special events, and operations
- + Aided in a capital equipment inventory project

## ACTIVITIES

**Peer-Guided Study Group Facilitator** (Fall 2017 - present)

- + Facilitate a study group for a course (Engineering Analysis 1) in which I was previously enrolled and excelled
- + Answer questions students may have with course material and work through practice problems
- + Equip students with helpful strategies and resources to succeed in the course

**Project SOAR Mentor** - McGaw YMCA (Fall 2017 - present)

One-on-one mentor for youth in the Evanston area to provide friendship and a stable, caring relationship

**Club Soccer** (Fall 2017 - present)

- + Play on the Northwestern Women's Club Soccer team
- + Commitments include practice twice a week and weekend games that often involve traveling

## SKILLS

- experience with Inventor & SolidWorks (CAD)
- HTML5
- CSS
- high school level Spanish