

# KAITLYN KO

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## EDUCATION

### Northwestern University

- + Manufacturing and Design Engineering (MaDE), Mechanical Engineering (MechE)
- + Estimated Graduation: December 2020

## EXPERIENCE

### Product Development Intern - mHUB Chicago (current position)

- + Support client projects in design development, prototyping, and product testing
- + Work with entrepreneurs, startups, and major manufacturers

### MechE Capstone: Precious Plastic NU - Compass Group (Fall 2019 - Winter 2020)

- + Collaborated with 7 other students to design & fabricate an efficient, easy-to-use process for the recycling and reuse of plastic waste on campus
- + Lead the sub-team focused on developing a device & process for cleaning contaminated plastic

### Design Intern - Northwestern University Segal Design Institute (Summer 2019)

- + **Diabetes Kit:** designed and fabricated 30 diabetes kits meant to train newly diagnosed diabetes patients
- + **Shop Safety Modules:** created modules for machines in the manufacturing shop to be used by students as an introduction to safety and operational procedures
- + **Dysphagia Cup:** improved upon the Provale Cup, an existing market solution for administering metered amounts of liquids to patients with dysphagia

### MaDE Capstone: Smart Penguin Egg - Shedd Aquarium (Winter - Spring 2019)

- + Collaborated with 4 other students to design a "smart egg" device for Shedd Aquarium that collects relevant data from penguin eggs throughout incubation
- + Primarily contributed in designing the outer housing and internal organization

### Mechanical Engineering Design Intern - Webb deVlam (Spring - Summer 2018)

- + Interned for 6 months at a packaging design consultancy
- + Worked on all aspects of the design process - sketch exploration, 3D modeling, rendering, prototyping
- + Exposed to a wide variety of clients, product industries, and projects

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

- + Designed and created a static, multi-page portfolio website
- + Self-taught HTML, CSS, Bootstrap, JavaScript using online resources

## ACTIVITIES

### Peer Adviser (Spring 2019 - Spring 2020)

- + Served as a Peer Adviser for a group of 12 first-year, engineering students
- + Facilitated dialogue and helped support students throughout their transition into Northwestern

### The Studio (Winter 2019 - present)

- + Started a club with 5 other students to foster the Northwestern design community
- + Host weekly "Open Sketch" meetings where we practice ideating and industrial design sketching

### 'gami (Spring 2018 - Winter 2020)

- + Started an origami club with friends to provide Northwestern students a fun and stress-free environment to learn origami and take a break from classes
- + Served as chief design officer, developing the club branding materials

### Peer-Guided Study Group Facilitator (Fall 2017 - Winter 2019)

- + Facilitated study groups for students enrolled in the Engineering Analysis sequence
- + Equipped students with helpful strategies and resources to succeed in the courses

## TECHNICAL SKILLS

SolidWorks, CAM, Keyshot, NX, ArtiosCAD, 3D Printing, HTML5, CSS, Python