

## Education

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### *Northwestern University, Evanston, IL*

Robert R. McCormick School of Engineering and Applied Science

Bachelor of Science in Civil Engineering

Architecture Engineering and Design Certificate

GPA: 3.726/4.000

June 2019 (anticipated)

*Coursework:* Design Thinking and Communication I & II, Civil Engineering 216 – Mechanics of Materials, and 306 – Uncertainty Analysis in Civil Engineering

## Technical Skills

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**Software:** Proficient in AutoCAD, Solidworks, MATLAB, HTML/CSS, Microsoft Word, Excel, Access, and PowerPoint, Adobe Illustrator, Photoshop, InDesign, and Dreamweaver

**Hardware:** Adept in general carpentry work including as mill and lathe operation, surveying, soldering, circuit building, computer hardware troubleshooting, and audio system analysis and setup

## Engineering Experience

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### *Northwestern University, General Engineering 220, Evanston, IL*

Winter/Spring 2016

- Developed civil surveying skills by completing four surveying circuits on campus
- Applied design skills to twelve structural CAD drawings as a comprehensive final project

### *Northwestern University, Design Thinking and Communication, Evanston, IL*

Fall 2015/Spring 2016

Fall Quarter Client: Mr. and Mrs. James Young, Chicago, IL

Spring Quarter Client: Lori Bravi of Rehabilitation Institute of Chicago (RIC)

- Collaborated with a team of three peers to develop and refine design iterations
- Interviewed and observed each of our clients and end users twice to improve functionality of our design
- Designed a prototype system to enhance communication for a user with CFTD
- Constructed a prototype elbow and wrist support to assist a user who experienced a stroke

## Employment Experience

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### *Northwestern Civil Engineering Department, Evanston, IL*

September 2016 – Present

Research Aide

- Revised department website with updated figure references and improved publications layout
- Assembled and configured a data logging system to autonomously monitor cracks in building structures
- Organized and prepared a classroom seismograph unit to demonstrate earthquakes' effect on buildings

### *Northwoods Casket Company, Beaver Dam, WI*

July 2015 – December 2016

Workshop Associate

- Constructed five casket holding racks from repurposed lumber for long term storage of caskets
- Prepared caskets for finishing by smoothing and cleaning every surface to ensure a flawless finish
- Controlled design and construction of a lacquer spray booth for casket finishing