

# Brett Lofendo

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## Coursework

### University of Illinois at Urbana-Champaign

- B.S. Computer Engineering, Class of 2022

Champaign, IL  
Aug. 2018-May 2022

## Experience

### BP

#### *Data Engineering Intern*

- Developed several interactive data visualizations in Power BI for the CBM Modernization team
- Analyzed large datasets and devised useful relationships among tables to compute useful calculations
- Participated on an agile team and met with product owners to set requirements for development

Chicago, IL  
Jan. 2020-Aug. 2020

### Codagami Inc.

#### *Software Development Intern*

- Contributed to designing, testing, and releasing the McDonald's Canada mobile app for Android
- Effectively debugged complex data structures to improve functionality and user experience
- Collaborated with an agile team of developers using scrum techniques with Jira

Champaign, IL  
Sep. 2019-Dec. 2019

### Sole Proprietorship - Aftermarket Specialization

#### *Owner*

- I obtain limited items in bulk and acquire and supply clients around the world based on their needs
- 2020 Revenue: \$75,000

Huntley, IL  
Jan. 2020-Present

### Mission Control Systems Inc.

#### *Controls Engineering Intern*

- Programmed and wired PLCs and VFDs for large scale automation
- Produced AutoCAD drawing packages - schematics, physical layouts, bills of materials

Elk Grove Village, IL  
May 2019-Aug. 2019

## Projects

### Scope - [github.com/brettlofendo/scope](https://github.com/brettlofendo/scope)

#### *Java, Javascript (React), SQL*

- Developed a web application using a JSON REST API where students and instructors could view enrolled classes and other administrative information

Champaign, IL  
April 2020

### Portfolio - [brettlofendo.github.io](https://brettlofendo.github.io)

#### *HTML, CSS, Javascript*

- Designed and developed my personal website that is continually updated to reflect my portfolio

Champaign, IL  
Jan. 2021-Present

### Autonomous Sunroof Closing System

#### *Engineering Design and Development*

- Designed and implemented an automatic sunroof closing controller for a 2009 Nissan Altima with timing relays, logic gates, and other circuitry

Huntley, IL  
Aug. 2017-May 2018

## Leadership

### Sigma Phi Delta: Social-Professional Engineering Fraternity

#### *Vice President*

- Managed a budget, organized professional development events, and directed 70 members for a semester

Champaign, IL  
Dec. 2020- Present

#### *Risk Reduction Chairman*

- Mitigated risk among a fraternity, introduced new rules and regulations, and oversaw communications

May 2020-Dec. 2020

#### *Head Recruitment Officer*

- Organized and led official recruitment events and managed a budget of over \$3000

Dec. 2018-Dec. 2019