

# Sean Sullivan

## CONTACT

Sean Sullivan  
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## EDUCATION

### BACHELOR OF SCIENCE, INDUSTRIAL ENGINEERING

The Ohio State University  
College of Engineering

**Minor:** Computer Information Sciences

**Graduation:** May 2024

**GPA:** 3.51

Seeking Intern Opportunities

## SKILLS & CERTIFICATIONS

**Fundamental Skills:** Computer Science, Fundamentals of Engineering, Calculus, Physics, Economics, Programming, Data Analysis, Strategic Planning, Supply Chain Management, Information Technology

### Software & Programming Skills:

Adobe InDesign, Microsoft Office Suite including MS Excel, MS Access, Tableau, MATLAB, C, C++, Java, Python, SolidWorks

### Involvements:

Ohio Union Activities Board, Design ThinkTank, Big Data & Analytics Association Research Team, Humanity First Student Chapter,

## WORK EXPERIENCE

### Technology Associate Intern at Washington Institute

#### for Business, Government, and Society

May – August 2021

- Analyzed and interpreted federal government & Senate subcommittee cybersecurity reports for the CEO and chief officers.
- Secured Mastercard's participation in a Cybersecurity roundtable consisting of industry and political leaders discussing pertinent cybersecurity trends.

### Innovation Analyst,

#### OSU Center for Innovative Strategies

April – August 2021

- Collaborated with a team to vet early-stage innovative ideas for corporate sponsors.
- Built unique customer-focused solutions using the fuzzy front end and lean start-up methodology.
- Generated qualitative research for data insights using in person customer validation interviews.
- Pitched evidence-based concepts and solutions to senior leaders for consideration in the sponsor's innovation pipeline.

### Customer Experience (CX) Technical Intern,

#### General Motors

May – August 2022

- Conduct cross-department studies of internal Customer Experience projects and analyze improvements
- Utilize Minitab and MATLAB to derive key customer insights
- Lead implementation of agile methodology in project planning

## PROJECT EXPERIENCE

### Engineering Nanotechnology Project

January – May 2020

- Theorized and modeled 3D CAD representations for a NANOLYSER capable of detecting HIV in a drop of human blood.
- Managed semester-long nanotechnology and microfluidics project.
- Tested the ability of saline to shear yeast cells from a microchannel wall.
- Built programs in C++ and MATLAB to calculate key metrics.

### Website Creation Project (Web Development)

February 2021

- Designed and built innovative portfolio website from ground-up using Bootstrap Studio and hand-coded CSS. Configured Github repository for hosting and utilized web platform Netlify for global distribution.

### Design ThinkTank Project

January - May 2021

- Problem solving with a team of 20 design-minded individuals to consult outside environmental organization 3Tree on strategy. Creating mobile application to encourage and track good environmental habits.

## LEADERSHIP EXPERIENCE

### Ohio Union Activities Board

August 2020-Present

#### Concerts Committee Member

- Project Lead for Welcome Back Week Concert; oversaw logistics and planning for a concert with an estimated attendance of 5000.

#### Data and Analytics Chair

- Utilizing database visualization platform to build a dashboard of data insights regarding 500+ campus events, including demographics of event audience and return on investment.

### Sigma Phi Epsilon Fraternity

December 2020-Present

#### Vice President of Communications

- Facilitated an organization wide effort to migrate to a new, custom-built Slack workspace.
- Initiated new data projects: to create an organization-wide calendar and integrate it in each member's stock calendars app
- Created a framework to sync all contacts across the organization, eliminating the need for anyone to manually create new phone contacts.