

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.

GM Energy Intern,

General Motors

May – August 2022

- Reviewed and applied corrections to Engineering Statements of Requirements (SORs), discussing findings with principal engineers.
- Consolidated use case solutions across sustainability, digital platform, and hardware products teams

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 Lead

- Project Lead for Welcome Back Week Concert; oversaw logistics and planning for a concert with an attendance of 6000.

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