

Daniel G. Barstow

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WORK EXPERIENCE

Freelance Web Developer

October 2023 – Present

Saint Mary of the Woods Parish

St. Charles, IL

- Developed and deployed a website for an annual raffle event utilizing HTML, CSS, JavaScript, and Python.
- Leveraged AWS services like S3, Lambda, SES, API Gateway, and DynamoDB for reliable hosting.
- Integrated Stripe for payment processing, guaranteeing secure and reliable transactions for raffle participants.
- Engineered the site for reusability, allowing organizers to effortlessly update the configuration annually.
- Authored a comprehensive user guide and produced a tutorial video about how to use the website.

Tournament Organizer/Esports Technology Specialist

August 2023 – October 2023

G-Spot Labs

DeKalb, IL

- Orchestrated the acquisition and setup of gaming hardware and software for a biweekly tournament.
- Configured and managed live streaming technology to broadcast tournament matches seamlessly.
- Worked closely with other event organizers to ensure technology met the needs of all stakeholders including training on the use of streaming equipment and software.

Executive Publicity/IT Coordinator

June 2019 – August 2019

Waubonsee Chapter of the National Society of Leadership and Success

Sugar Grove, IL

- Participated in weekly meetings to plan and allocate funds for student leadership events.
- Facilitated over 30 events teaching college students professional and career development skills.
- Managed a progress tracking system increasing member engagement by 23% as measured by event attendance.
- Drafted flyers in Microsoft Publisher advertising NSLS and its events.
- Volunteered packing food at Feed My Starving Children in Aurora, IL.

EDUCATION

Elmhurst University

August 2024

Master of Science in Data Science and Analytics

Elmhurst, IL

- *Summa Cum Laude*
- Capstone Project: An Open-Source LLM Solution for Veteran's Benefits Information.

University of Illinois at Urbana-Champaign

May 2022

Bachelor of Science in Mathematics, Operations Research Concentration

Urbana, IL

- Disc Golf Club, Sigma Alpha Pi Honor Society, Phi Theta Kappa Honor Society
- Capstone Project: [Predicting Cirrhosis of the Liver using Machine Learning Techniques.](#)

Waubonsee Community College

May 2019

Associate of Science in Computer Science

Sugar Grove, IL

- Math and Engineering Club, Sigma Alpha Pi Honor Society, Phi Theta Kappa Honor Society
- Dean's List: Fall 2016, Spring 2017, Fall 2017

SKILLS

- Python
- SQL
- Power BI
- AWS (S3, Lambda, DynamoDB, CloudFront, CloudWatch, API Gateway, IAM, SES)
- Interpersonal Communication